

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003029.D
 Acq On : 30 Jun 2020 12:04
 Operator : SY/MD
 Sample : VY0630SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBS01

Manual Integrations
 APPROVED

sam
 7/1/2020 10:11:21 PM

Quant Time: Jul 01 06:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	504811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	736122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	675469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	364699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	239166	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	7.72	113	229823	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.18	98	845847	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.48	95	297105	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	73555	19.240	ug/l	99
3) Chloromethane	2.12	50	98875	17.661	ug/l	99
4) Vinyl Chloride	2.26	62	109107	19.980	ug/l	94
5) Bromomethane	2.65	94	81168	21.891	ug/l	98
6) Chloroethane	2.79	64	71499	20.581	ug/l	94
7) Trichlorofluoromethane	3.13	101	161826	20.995	ug/l	97
8) Diethyl Ether	3.54	74	53115	20.101	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	97893	21.271	ug/l	99
10) Methyl Iodide	4.10	142	120157	21.055	ug/l	99
11) Tert butyl alcohol	4.96	59	56396	110.372	ug/l	100
12) 1,1-Dichloroethene	3.88	96	92596	21.146	ug/l	87
13) Acrolein	3.74	56	45066	98.200	ug/l	98
14) Allyl chloride	4.49	41	151607	19.830	ug/l	99
15) Acrylonitrile	5.18	53	140424	103.116	ug/l	98
16) Acetone	3.96	43	119504	101.061	ug/l	99
17) Carbon Disulfide	4.20	76	288421	20.615	ug/l	97
18) Methyl Acetate	4.49	43	61523	19.312	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	272381	21.340	ug/l	99
20) Methylene Chloride	4.72	84	177323	30.949	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	104674	21.133	ug/l	93
22) Diisopropyl ether	6.13	45	327252	19.971	ug/l	99
23) Vinyl Acetate	6.07	43	1113011	101.595	ug/l	99
24) 1,1-Dichloroethane	6.03	63	183640	20.516	ug/l	99
25) 2-Butanone	6.99	43	197067	104.913	ug/l	97
26) 2,2-Dichloropropane	6.99	77	168937	20.773	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	118484	21.327	ug/l	98
28) Bromochloromethane	7.34	49	70342	17.662	ug/l	91
29) Tetrahydrofuran	7.35	42	126743	101.464	ug/l	95
30) Chloroform	7.52	83	185642	20.935	ug/l	98
31) Cyclohexane	7.79	56	178626	20.257	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	168486	20.815	ug/l	100
36) 1,1-Dichloropropene	7.92	75	148495	20.942	ug/l	99
37) Ethyl Acetate	7.08	43	87789	20.592	ug/l	97
38) Carbon Tetrachloride	7.91	117	156666	21.236	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003029.D
 Acq On : 30 Jun 2020 12:04
 Operator : SY/MD
 Sample : VY0630SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0630SBS01

Manual Integrations
 APPROVED

sam
 7/1/2020 10:11:21 PM

Quant Time: Jul 01 06:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	187049	21.276	ug/l	98
40) Benzene	8.16	78	412411	21.245	ug/l	99
41) Methacrylonitrile	7.33	41	43926m	19.288	ug/l	
42) 1,2-Dichloroethane	8.24	62	131110	21.349	ug/l	99
43) Isopropyl Acetate	8.28	43	166466	20.539	ug/l	96
44) Trichloroethene	8.94	130	121678	21.566	ug/l	99
45) 1,2-Dichloropropane	9.22	63	109973	21.057	ug/l	94
46) Dibromomethane	9.31	93	61732	21.164	ug/l	99
47) Bromodichloromethane	9.50	83	151305	21.184	ug/l	100
48) Methyl methacrylate	9.30	41	73141	19.827	ug/l	93
49) 1,4-Dioxane	9.30	88	15276	429.021	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	435525	103.970	ug/l	97
52) Toluene	10.25	92	259974	21.274	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	156755	20.933	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	180773	21.108	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	89088	21.979	ug/l	96
56) Ethyl methacrylate	10.51	69	125510	21.391	ug/l	97
57) 1,3-Dichloropropane	10.79	76	152338	21.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	271777	90.315	ug/l	99
59) 2-Hexanone	10.83	43	311239	106.300	ug/l	99
60) Dibromochloromethane	10.99	129	112997	21.784	ug/l	99
61) 1,2-Dibromoethane	11.09	107	86921	21.752	ug/l	98
64) Tetrachloroethene	10.72	164	122643	21.453	ug/l	95
65) Chlorobenzene	11.52	112	285694	21.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	110470	21.244	ug/l	98
67) Ethyl Benzene	11.60	91	517839	21.252	ug/l	99
68) m/p-Xylenes	11.70	106	382928	42.226	ug/l	100
69) o-Xylene	12.03	106	184221	21.557	ug/l	98
70) Styrene	12.05	104	312015	21.372	ug/l	99
71) Bromoform	12.20	173	76483	22.058	ug/l #	99
73) Isopropylbenzene	12.33	105	503731	21.105	ug/l	100
74) N-amyl acetate	12.14	43	160176	20.614	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	102789	21.340	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	75979m	21.050	ug/l	
77) Bromobenzene	12.61	156	130205	21.276	ug/l	98
78) n-propylbenzene	12.67	91	605706	21.101	ug/l	99
79) 2-Chlorotoluene	12.75	91	339847	21.211	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	418255	20.883	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	39203	21.132	ug/l	95
82) 4-Chlorotoluene	12.85	91	357904	21.455	ug/l	100
83) tert-Butylbenzene	13.07	119	373510	21.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	424847	21.051	ug/l	100
85) sec-Butylbenzene	13.25	105	513072	21.166	ug/l	99
86) p-Isopropyltoluene	13.37	119	474370	21.119	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	239276	20.943	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	242722	21.544	ug/l	99
89) n-Butylbenzene	13.70	91	458400	21.330	ug/l	99
90) Hexachloroethane	13.96	117	95838	21.487	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	219449	21.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18613	21.829	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003029.D
Acq On : 30 Jun 2020 12:04
Operator : SY/MD
Sample : VY0630SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0630SBSD01

Manual Integrations
APPROVED

sam
7/1/2020 10:11:21 PM

Quant Time: Jul 01 06:02:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	165546	21.733	ug/l	99
94) Hexachlorobutadiene	15.11	225	107377	22.349	ug/l	96
95) Naphthalene	15.23	128	307417	22.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	144927	21.911	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

