

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000873.D
 Acq On : 05 Dec 2019 11:36
 Operator : SY/MD
 Sample : VY1205SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1205SBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 10:01:20 AM

Quant Time: Dec 06 06:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	289440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	498751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	450738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	210943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	159362	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.73	113	148120	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.18	98	621416	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.48	95	213244	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	59638	19.141	ug/l	96
3) Chloromethane	2.12	50	78780	20.512	ug/l	98
4) Vinyl Chloride	2.26	62	77665	20.518	ug/l	98
5) Bromomethane	2.65	94	39993	16.070	ug/l	98
6) Chloroethane	2.79	64	46877	20.199	ug/l	98
7) Trichlorofluoromethane	3.13	101	105761	20.388	ug/l	92
8) Diethyl Ether	3.53	74	37912	19.418	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	63030	19.676	ug/l	97
10) Methyl Iodide	4.09	142	74925	18.577	ug/l	99
11) Tert butyl alcohol	5.00	59	25013	80.838	ug/l #	74
12) 1,1-Dichloroethene	3.87	96	63968	20.156	ug/l	98
13) Acrolein	3.74	56	30770	100.951	ug/l	99
14) Allyl chloride	4.49	41	112274	20.633	ug/l	99
15) Acrylonitrile	5.18	53	97625	96.833	ug/l	99
16) Acetone	3.96	43	67833	96.145	ug/l	97
17) Carbon Disulfide	4.19	76	204520	19.926	ug/l	99
18) Methyl Acetate	4.49	43	56355	19.103	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	169768	20.031	ug/l	98
20) Methylene Chloride	4.72	84	77378	20.806	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	74144	20.555	ug/l	94
22) Diisopropyl ether	6.13	45	232955	20.829	ug/l	95
23) Vinyl Acetate	6.07	43	703632	103.487	ug/l	99
24) 1,1-Dichloroethane	6.03	63	128581	20.859	ug/l	98
25) 2-Butanone	7.00	43	120337	92.333	ug/l	90
26) 2,2-Dichloropropane	6.99	77	102129	19.685	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	80897	20.748	ug/l	99
28) Bromochloromethane	7.35	49	29037	14.345	ug/l	96
29) Tetrahydrofuran	7.36	42	84377	97.700	ug/l	98
30) Chloroform	7.52	83	121018	19.570	ug/l	95
31) Cyclohexane	7.79	56	134927	20.662	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	103110	20.193	ug/l	99
36) 1,1-Dichloropropene	7.93	75	104750	21.123	ug/l	96
37) Ethyl Acetate	7.08	43	57470	20.070	ug/l	98
38) Carbon Tetrachloride	7.91	117	90259	20.437	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000873.D
 Acq On : 05 Dec 2019 11:36
 Operator : SY/MD
 Sample : VY1205SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1205SBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 10:01:20 AM

Quant Time: Dec 06 06:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	132084	20.103	ug/l	97
40) Benzene	8.17	78	300676	20.815	ug/l	97
41) Methacrylonitrile	7.33	41	35729m	23.674	ug/l	
42) 1,2-Dichloroethane	8.24	62	77877	20.500	ug/l	98
43) Isopropyl Acetate	8.28	43	104949	19.449	ug/l	98
44) Trichloroethene	8.94	130	75600	20.365	ug/l	99
45) 1,2-Dichloropropane	9.22	63	74824	20.622	ug/l	98
46) Dibromomethane	9.31	93	38753	20.442	ug/l	99
47) Bromodichloromethane	9.50	83	89125	20.012	ug/l	96
48) Methyl methacrylate	9.30	41	47457	20.000	ug/l	98
49) 1,4-Dioxane	9.32	88	9726	362.078	ug/l #	73
51) 4-Methyl-2-Pentanone	10.07	43	279919	100.400	ug/l	97
52) Toluene	10.24	92	186303	20.831	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	98525	20.592	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	116838	20.659	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	59117	21.107	ug/l	94
56) Ethyl methacrylate	10.51	69	82423	20.571	ug/l	97
57) 1,3-Dichloropropane	10.79	76	102666	21.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	156783	97.045	ug/l	100
59) 2-Hexanone	10.83	43	194443	95.710	ug/l	97
60) Dibromochloromethane	10.99	129	62286	20.658	ug/l	98
61) 1,2-Dibromoethane	11.09	107	55577	21.055	ug/l	99
64) Tetrachloroethene	10.72	164	81881	20.909	ug/l	97
65) Chlorobenzene	11.52	112	190834	20.368	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	64325	20.372	ug/l	99
67) Ethyl Benzene	11.59	91	355824	20.392	ug/l	99
68) m/p-Xylenes	11.70	106	268997	41.072	ug/l	100
69) o-Xylene	12.03	106	127555	20.888	ug/l	98
70) Styrene	12.04	104	216571	20.712	ug/l	99
71) Bromoform	12.20	173	35328	19.838	ug/l #	98
73) Isopropylbenzene	12.33	105	338989	20.183	ug/l	100
74) N-amyl acetate	12.14	43	91212	19.511	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	62474	18.878	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	48926m	20.471	ug/l	
77) Bromobenzene	12.61	156	72882	20.019	ug/l	99
78) n-propylbenzene	12.67	91	411175	20.050	ug/l	99
79) 2-Chlorotoluene	12.75	91	226781	20.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	279837	20.123	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22412	18.420	ug/l	95
82) 4-Chlorotoluene	12.85	91	235431	20.170	ug/l	99
83) tert-Butylbenzene	13.08	119	236769	20.251	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	282486	20.304	ug/l	98
85) sec-Butylbenzene	13.25	105	344253	20.245	ug/l	100
86) p-Isopropyltoluene	13.37	119	300742	20.335	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	144143	20.182	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	143200	20.250	ug/l	99
89) n-Butylbenzene	13.70	91	303953	20.327	ug/l	100
90) Hexachloroethane	13.96	117	55527	20.381	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	132127	20.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10926	19.720	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
Data File : VY000873.D
Acq On : 05 Dec 2019 11:36
Operator : SY/MD
Sample : VY1205SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBS01

Manual Integrations
APPROVED

apatel
12/6/2019 10:01:20 AM

Quant Time: Dec 06 06:01:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	88469	20.351	ug/l	99
94) Hexachlorobutadiene	15.11	225	44487	20.641	ug/l	98
95) Naphthalene	15.23	128	199747	19.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	79895	20.576	ug/l	98

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

