

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000405.D
 Acq On : 24 Oct 2019 13:32
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:31 PM

Quant Time: Oct 25 07:02:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	223800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	370331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	331429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	122344	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.73	113	110746	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.19	98	444070	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.48	95	161353	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	45193	23.231	ug/l	95
3) Chloromethane	2.11	50	69714	25.492	ug/l	94
4) Vinyl Chloride	2.25	62	59044	21.393	ug/l	94
5) Bromomethane	2.63	94	36299	17.746	ug/l	96
6) Chloroethane	2.79	64	39321	22.080	ug/l	99
7) Trichlorofluoromethane	3.13	101	82669	21.897	ug/l	99
8) Diethyl Ether	3.54	74	32869	24.645	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	52191	22.795	ug/l	97
10) Methyl Iodide	4.10	142	54665	17.551	ug/l	99
11) Tert butyl alcohol	4.97	59	26825	108.580	ug/l	97
12) 1,1-Dichloroethene	3.88	96	50073	22.153	ug/l	95
13) Acrolein	3.74	56	22362	77.205	ug/l	100
14) Allyl chloride	4.49	41	81739	21.822	ug/l	97
15) Acrylonitrile	5.18	53	79855	106.972	ug/l	99
16) Acetone	3.96	43	78413	102.567	ug/l	99
17) Carbon Disulfide	4.19	76	143944	20.226	ug/l	98
18) Methyl Acetate	4.49	43	43183	22.734	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	143623	22.825	ug/l	95
20) Methylene Chloride	4.72	84	80242	28.852	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	54248	20.919	ug/l	94
22) Diisopropyl ether	6.13	45	178215	22.495	ug/l	96
23) Vinyl Acetate	6.07	43	560495	108.446	ug/l	99
24) 1,1-Dichloroethane	6.03	63	95126	21.998	ug/l	96
25) 2-Butanone	7.00	43	116755	108.413	ug/l	99
26) 2,2-Dichloropropane	7.00	77	88529	22.217	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	64537	22.999	ug/l	96
28) Bromochloromethane	7.35	49	36089	19.441	ug/l	98
29) Tetrahydrofuran	7.36	42	71330	109.289	ug/l	98
30) Chloroform	7.52	83	97789	22.455	ug/l	99
31) Cyclohexane	7.79	56	93804	20.769	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	87242	22.533	ug/l	98
36) 1,1-Dichloropropene	7.93	75	77732	21.439	ug/l	98
37) Ethyl Acetate	7.09	43	46586	21.699	ug/l	99
38) Carbon Tetrachloride	7.91	117	74852	21.322	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000405.D
 Acq On : 24 Oct 2019 13:32
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:31 PM

Quant Time: Oct 25 07:02:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	98493	20.755	ug/l	98
40) Benzene	8.17	78	224745	21.449	ug/l	99
41) Methacrylonitrile	7.33	41	27144m	26.562	ug/l	
42) 1,2-Dichloroethane	8.25	62	67443	22.533	ug/l	99
43) Isopropyl Acetate	8.28	43	87595	21.458	ug/l	99
44) Trichloroethene	8.94	130	60780	20.673	ug/l	98
45) 1,2-Dichloropropane	9.22	63	57551	22.382	ug/l	93
46) Dibromomethane	9.31	93	31651	22.019	ug/l	99
47) Bromodichloromethane	9.50	83	74269	21.924	ug/l	97
48) Methyl methacrylate	9.30	41	37568	20.999	ug/l	97
49) 1,4-Dioxane	9.30	88	9558	443.474	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	236359	112.260	ug/l	99
52) Toluene	10.25	92	146833	22.072	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	79020	21.765	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	91278	22.139	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	45747	21.889	ug/l	96
56) Ethyl methacrylate	10.51	69	63125	21.190	ug/l	95
57) 1,3-Dichloropropane	10.80	76	80271	22.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	156713	131.889	ug/l	99
59) 2-Hexanone	10.83	43	175740	118.916	ug/l	98
60) Dibromochloromethane	10.99	129	53494	23.093	ug/l	95
61) 1,2-Dibromoethane	11.09	107	45715	22.781	ug/l	98
64) Tetrachloroethene	10.72	164	64256	20.365	ug/l	98
65) Chlorobenzene	11.52	112	156270	22.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	53859	21.920	ug/l	98
67) Ethyl Benzene	11.59	91	284503	21.941	ug/l	98
68) m/p-Xylenes	11.70	106	214446	43.262	ug/l	99
69) o-Xylene	12.03	106	103592	21.907	ug/l	97
70) Styrene	12.05	104	169212	21.218	ug/l	99
71) Bromoform	12.21	173	31092	22.012	ug/l #	96
73) Isopropylbenzene	12.33	105	275110	21.661	ug/l	99
74) N-amyl acetate	12.14	43	76513	24.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53915	22.610	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	42684m	21.311	ug/l	
77) Bromobenzene	12.61	156	63909	22.614	ug/l	93
78) n-propylbenzene	12.67	91	329299	21.595	ug/l	99
79) 2-Chlorotoluene	12.75	91	181214	21.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	233999	21.972	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	18592	20.310	ug/l	91
82) 4-Chlorotoluene	12.85	91	191203	21.479	ug/l	99
83) tert-Butylbenzene	13.07	119	197076	21.852	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	233119	22.179	ug/l	98
85) sec-Butylbenzene	13.25	105	283407	21.723	ug/l	99
86) p-Isopropyltoluene	13.37	119	254867	22.408	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	120321	21.608	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	123087	22.116	ug/l	99
89) n-Butylbenzene	13.70	91	244275	21.733	ug/l	99
90) Hexachloroethane	13.95	117	45177	21.450	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	113461	22.516	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10136	22.412	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
Data File : VY000405.D
Acq On : 24 Oct 2019 13:32
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:46:31 PM

Quant Time: Oct 25 07:02:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	80302	22.888	ug/l	98
94) Hexachlorobutadiene	15.11	225	42405	22.334	ug/l	98
95) Naphthalene	15.23	128	178197	22.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	71235	22.528	ug/l	97

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

