

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003485.D
 Acq On : 03 Nov 2020 12:32
 Operator : SY/MD
 Sample : L4214-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 11:57:44 AM

Quant Time: Nov 04 01:23:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	259136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	377078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	338369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	136675	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.73	113	119131	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.18	98	479025	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.48	95	154233	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	5667	2.764	ug/l	93
3) Chloromethane	2.12	50	7330	2.716	ug/l	99
4) Vinyl Chloride	2.26	62	7829	2.584	ug/l	100
5) Bromomethane	2.66	94	6877	2.717	ug/l	96
6) Chloroethane	2.80	64	4984	2.760	ug/l	92
7) Trichlorofluoromethane	3.14	101	11772	3.061	ug/l	93
8) Diethyl Ether	3.54	74	3581	3.036	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	6164	2.900	ug/l	97
10) Methyl Iodide	4.11	142	5748	3.277	ug/l	98
11) Tert butyl alcohol	4.96	59	7330	24.438	ug/l #	88
12) 1,1-Dichloroethene	3.89	96	6149	2.908	ug/l	94
13) Acrolein	3.74	56	3062	13.888	ug/l	94
14) Allyl chloride	4.50	41	10131	2.626	ug/l	98
15) Acrylonitrile	5.18	53	8800	13.979	ug/l	98
16) Acetone	3.96	43	11500	13.122	ug/l	94
17) Carbon Disulfide	4.21	76	18837	2.749	ug/l	97
18) Methyl Acetate	4.50	43	5201	3.140	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	14037	2.680	ug/l	97
20) Methylene Chloride	4.73	84	11600	4.700	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	6844	2.795	ug/l	85
22) Diisopropyl ether	6.14	45	17236	2.547	ug/l	93
23) Vinyl Acetate	6.08	43	60664	11.929	ug/l	98
24) 1,1-Dichloroethane	6.04	63	11933	2.775	ug/l	96
25) 2-Butanone	7.00	43	14120	12.882	ug/l	99
26) 2,2-Dichloropropane	7.00	77	11367	2.837	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	7318	2.758	ug/l	97
28) Bromochloromethane	7.35	49	6320	2.921	ug/l #	94
29) Tetrahydrofuran	7.36	42	7614	13.294	ug/l	96
30) Chloroform	7.52	83	11143	2.638	ug/l	95
31) Cyclohexane	7.79	56	14937	3.751	ug/l #	75
32) 1,1,1-Trichloroethane	7.71	97	10333	2.622	ug/l	98
36) 1,1-Dichloropropene	7.92	75	9820	2.762	ug/l	97
37) Ethyl Acetate	7.10	43	6426	2.911	ug/l	98
38) Carbon Tetrachloride	7.91	117	9730	2.638	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003485.D
 Acq On : 03 Nov 2020 12:32
 Operator : SY/MD
 Sample : L4214-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 11:57:44 AM

Quant Time: Nov 04 01:23:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	10930	2.761	ug/l	96
40) Benzene	8.17	78	26230	2.651	ug/l	99
41) Methacrylonitrile	7.32	41	2981	2.529	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	8716	2.812	ug/l	99
43) Isopropyl Acetate	8.28	43	10163	2.562	ug/l	96
44) Trichloroethene	8.94	130	7885	2.839	ug/l	99
45) 1,2-Dichloropropane	9.22	63	6477	2.592	ug/l	97
46) Dibromomethane	9.31	93	3646	2.652	ug/l	98
47) Bromodichloromethane	9.50	83	8458	2.514	ug/l	98
48) Methyl methacrylate	9.30	41	4441	2.376	ug/l	96
49) 1,4-Dioxane	9.31	88	885	51.598	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	28699	13.576	ug/l	99
52) Toluene	10.25	92	16550	2.674	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	9375	2.618	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	10126	2.513	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	5414	2.775	ug/l	92
56) Ethyl methacrylate	10.52	69	5825	2.229	ug/l	92
57) 1,3-Dichloropropane	10.79	76	9003	2.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	16489	12.445	ug/l	99
59) 2-Hexanone	10.83	43	17911	11.444	ug/l	99
60) Dibromochloromethane	10.99	129	6161	2.569	ug/l	100
61) 1,2-Dibromoethane	11.09	107	4845	2.572	ug/l	96
64) Tetrachloroethene	10.72	164	7158	2.833	ug/l	94
65) Chlorobenzene	11.52	112	17621	2.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	6336	2.556	ug/l	94
67) Ethyl Benzene	11.59	91	30582	2.566	ug/l	100
68) m/p-Xylenes	11.70	106	22947	5.080	ug/l	99
69) o-Xylene	12.03	106	10633	2.559	ug/l	99
70) Styrene	12.05	104	17069	2.419	ug/l	99
71) Bromoform	12.21	173	3888	2.353	ug/l #	90
73) Isopropylbenzene	12.33	105	28306	2.567	ug/l	100
74) N-amyl acetate	12.14	43	7919	2.536	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	6511	2.765	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	4667m	2.613	ug/l	
77) Bromobenzene	12.61	156	7510	2.681	ug/l	93
78) n-propylbenzene	12.67	91	36324	2.797	ug/l	98
79) 2-Chlorotoluene	12.75	91	19645	2.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	23704	2.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	2102m	2.457	ug/l	
82) 4-Chlorotoluene	12.85	91	21003	2.770	ug/l	98
83) tert-Butylbenzene	13.08	119	21159	2.612	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	23872	2.615	ug/l	100
85) sec-Butylbenzene	13.25	105	28584	2.606	ug/l	97
86) p-Isopropyltoluene	13.37	119	26601	2.615	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	14617	2.801	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	15266	2.942	ug/l	90
89) n-Butylbenzene	13.69	91	24936	2.683	ug/l	97
90) Hexachloroethane	13.96	117	4557	2.661	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	12761	2.753	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1300	3.049	ug/l	87

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
Data File : VY003485.D
Acq On : 03 Nov 2020 12:32
Operator : SY/MD
Sample : L4214-03 2.5PPBMDL
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

MMDadoda
11/4/2020 11:57:44 AM

Quant Time: Nov 04 01:23:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	9750	2.973	ug/l	99
94) Hexachlorobutadiene	15.11	225	6027	2.857	ug/l	99
95) Naphthalene	15.23	128	18316	2.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	8805	2.985	ug/l	98

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

