

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003486.D
 Acq On : 03 Nov 2020 12:54
 Operator : SY/MD
 Sample : L4214-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 11:57:46 AM

Quant Time: Nov 04 01:25:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 01:18:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	231682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	336461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	300625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	122175	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.73	113	106105	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.18	98	434253	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.48	95	141108	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	8175	4.460	ug/l	97
3) Chloromethane	2.12	50	10831	4.488	ug/l	97
4) Vinyl Chloride	2.26	62	12070	4.456	ug/l	97
5) Bromomethane	2.66	94	9315	4.116	ug/l	94
6) Chloroethane	2.80	64	7064	4.375	ug/l	100
7) Trichlorofluoromethane	3.13	101	15221	4.427	ug/l	97
8) Diethyl Ether	3.55	74	4533	4.299	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	8324	4.380	ug/l	99
10) Methyl Iodide	4.10	142	7636	4.869	ug/l	98
11) Tert butyl alcohol	4.95	59	11676	43.541	ug/l #	80
12) 1,1-Dichloroethene	3.88	96	8314	4.397	ug/l	96
13) Acrolein	3.74	56	4217	21.394	ug/l	99
14) Allyl chloride	4.49	41	14339	4.157	ug/l	99
15) Acrylonitrile	5.18	53	11462	20.365	ug/l	99
16) Acetone	3.96	43	14962	19.096	ug/l	92
17) Carbon Disulfide	4.21	76	26911	4.393	ug/l	99
18) Methyl Acetate	4.49	43	6723	4.540	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	19616	4.189	ug/l	97
20) Methylene Chloride	4.73	84	15118	6.851	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	9377	4.283	ug/l	98
22) Diisopropyl ether	6.13	45	25228	4.170	ug/l	97
23) Vinyl Acetate	6.08	43	86262	18.972	ug/l	97
24) 1,1-Dichloroethane	6.04	63	16397	4.265	ug/l	100
25) 2-Butanone	7.00	43	19339	19.734	ug/l #	88
26) 2,2-Dichloropropane	6.99	77	16335	4.560	ug/l	95
27) cis-1,2-Dichloroethene	7.00	96	10271	4.329	ug/l	96
28) Bromochloromethane	7.35	49	8378	4.331	ug/l	95
29) Tetrahydrofuran	7.36	42	10401	20.312	ug/l	98
30) Chloroform	7.52	83	16348	4.329	ug/l	96
31) Cyclohexane	7.80	56	18666	5.243	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	15481	4.394	ug/l	99
36) 1,1-Dichloropropene	7.93	75	13603	4.288	ug/l	99
37) Ethyl Acetate	7.08	43	8204	4.165	ug/l	96
38) Carbon Tetrachloride	7.91	117	13354	4.058	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	14625	4.140	ug/l	93
40) Benzene	8.17	78	37537	4.252	ug/l	98
41) Methacrylonitrile	7.33	41	4697m	4.465	ug/l	
42) 1,2-Dichloroethane	8.25	62	11782	4.259	ug/l	100
43) Isopropyl Acetate	8.28	43	13907	3.928	ug/l	98
44) Trichloroethene	8.94	130	10620	4.285	ug/l	99
45) 1,2-Dichloropropane	9.22	63	9487	4.255	ug/l	96
46) Dibromomethane	9.32	93	5238	4.271	ug/l	97
47) Bromodichloromethane	9.50	83	12489	4.160	ug/l #	98
48) Methyl methacrylate	9.30	41	6170	3.700	ug/l #	93
49) 1,4-Dioxane	9.31	88	1259	82.265	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	39346	20.860	ug/l	98
52) Toluene	10.25	92	23180	4.198	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	12889	4.034	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	14408	4.008	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	7349	4.221	ug/l	96
56) Ethyl methacrylate	10.51	69	8596	3.686	ug/l	94
57) 1,3-Dichloropropane	10.79	76	12819	4.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	24219	20.485	ug/l	100
59) 2-Hexanone	10.83	43	24867	17.806	ug/l	99
60) Dibromochloromethane	10.99	129	8778	4.102	ug/l	100
61) 1,2-Dibromoethane	11.09	107	6769	4.027	ug/l	99
64) Tetrachloroethene	10.72	164	9839	4.382	ug/l	97
65) Chlorobenzene	11.52	112	25308	4.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	8982	4.078	ug/l	95
67) Ethyl Benzene	11.60	91	43578	4.115	ug/l	97
68) m/p-Xylenes	11.70	106	32425	8.080	ug/l	98
69) o-Xylene	12.03	106	14640	3.966	ug/l	97
70) Styrene	12.05	104	23741	3.788	ug/l	97
71) Bromoform	12.20	173	5764	3.926	ug/l #	99
73) Isopropylbenzene	12.33	105	41059	4.161	ug/l	99
74) N-amyl acetate	12.14	43	11023	3.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	8637	4.098	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	6442m	4.030	ug/l	
77) Bromobenzene	12.61	156	10570	4.216	ug/l	96
78) n-propylbenzene	12.67	91	48601	4.181	ug/l	98
79) 2-Chlorotoluene	12.76	91	27465	4.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	34126	4.174	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3040	3.970	ug/l	94
82) 4-Chlorotoluene	12.85	91	29304	4.318	ug/l	100
83) tert-Butylbenzene	13.08	119	30216	4.167	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	33440	4.092	ug/l	99
85) sec-Butylbenzene	13.25	105	40761	4.151	ug/l	97
86) p-Isopropyltoluene	13.37	119	36060	3.960	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	20076	4.298	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	20222	4.354	ug/l	93
89) n-Butylbenzene	13.69	91	33774	4.061	ug/l	99
90) Hexachloroethane	13.95	117	6261	4.086	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	17631	4.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1641	4.301	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	12717	4.333	ug/l	96
94) Hexachlorobutadiene	15.11	225	8936	4.733	ug/l	97
95) Naphthalene	15.23	128	22302	3.795	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	11198	4.242	ug/l	96

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

