

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000325.D
 Acq On : 16 Oct 2019 13:26
 Operator : SY/MD
 Sample : K5111-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:38 AM

Quant Time: Oct 17 02:00:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 01:56:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	279332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	469994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	199050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	158903	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	7.73	113	138055	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.18	98	559384	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.48	95	195811	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	7030	2.823	ug/l	85
3) Chloromethane	2.11	50	15010	4.397	ug/l	93
4) Vinyl Chloride	2.25	62	9160	2.659	ug/l	97
5) Bromomethane	2.65	94	7621	2.985	ug/l	87
6) Chloroethane	2.80	64	6432	2.894	ug/l	97
7) Trichlorofluoromethane	3.13	101	12291	2.608	ug/l	97
8) Diethyl Ether	3.53	74	4507	2.707	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	8140	2.848	ug/l	94
10) Methyl Iodide	4.08	142	7484	2.006	ug/l #	91
11) Tert butyl alcohol	4.98	59	4876	15.813	ug/l #	94
12) 1,1-Dichloroethene	3.88	96	7856	2.785	ug/l	92
13) Acrolein	3.74	56	4777	13.214	ug/l	98
14) Allyl chloride	4.49	41	12401	2.653	ug/l	94
15) Acrylonitrile	5.18	53	12941	13.889	ug/l	98
16) Acetone	3.96	43	12392	12.987	ug/l #	82
17) Carbon Disulfide	4.20	76	23320	2.625	ug/l	95
18) Methyl Acetate	4.49	43	7947	3.352	ug/l	91
19) Methyl tert-butyl Ether	5.23	73	21408	2.726	ug/l	100
20) Methylene Chloride	4.72	84	13546	3.462	ug/l #	86
21) trans-1,2-Dichloroethene	5.22	96	8903	2.751	ug/l	91
22) Diisopropyl ether	6.13	45	25808	2.610	ug/l	92
23) Vinyl Acetate	6.08	43	77934	12.081	ug/l	97
24) 1,1-Dichloroethane	6.03	63	14232	2.637	ug/l	99
25) 2-Butanone	7.00	43	20122	14.970	ug/l	100
26) 2,2-Dichloropropane	6.99	77	16806	3.379	ug/l	88
27) cis-1,2-Dichloroethene	7.00	96	9639	2.752	ug/l	77
28) Bromochloromethane	7.35	49	6481	2.797	ug/l	89
29) Tetrahydrofuran	7.37	42	10714	13.152	ug/l	96
30) Chloroform	7.52	83	15771	2.901	ug/l	99
31) Cyclohexane	7.80	56	19112	3.390	ug/l #	75
32) 1,1,1-Trichloroethane	7.71	97	12440	2.574	ug/l	99
36) 1,1-Dichloropropene	7.93	75	11476	2.494	ug/l	98
37) Ethyl Acetate	7.09	43	8746	3.210	ug/l #	90
38) Carbon Tetrachloride	7.91	117	10461	2.348	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	14697	2.440	ug/l	94
40) Benzene	8.17	78	34124	2.566	ug/l	92
41) Methacrylonitrile	7.32	41	3428	2.643	ug/l #	47
42) 1,2-Dichloroethane	8.25	62	10770	2.835	ug/l	99
43) Isopropyl Acetate	8.28	43	12603	2.433	ug/l	96
44) Trichloroethene	8.95	130	9174	2.459	ug/l	99
45) 1,2-Dichloropropane	9.22	63	8314	2.548	ug/l #	89
46) Dibromomethane	9.31	93	4932	2.704	ug/l	89
47) Bromodichloromethane	9.50	83	10371	2.412	ug/l	99
48) Methyl methacrylate	9.30	41	6269	2.761	ug/l	90
49) 1,4-Dioxane	9.32	88	1342m	49.063	ug/l	
51) 4-Methyl-2-Pentanone	10.08	43	35482	13.279	ug/l	99
52) Toluene	10.25	92	21872	2.591	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	10896	2.365	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	12892	2.464	ug/l	92
55) 1,1,2-Trichloroethane	10.65	97	6667	2.514	ug/l	94
56) Ethyl methacrylate	10.51	69	9417	2.491	ug/l	98
57) 1,3-Dichloropropane	10.80	76	11525	2.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	24895	16.509	ug/l	98
59) 2-Hexanone	10.84	43	24156	12.879	ug/l	96
60) Dibromochloromethane	10.99	129	6756	2.298	ug/l	95
61) 1,2-Dibromoethane	11.09	107	6007	2.359	ug/l	99
64) Tetrachloroethene	10.72	164	9925	2.508	ug/l	93
65) Chlorobenzene	11.52	112	23685	2.700	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.59	131	7344	2.383	ug/l	97
67) Ethyl Benzene	11.60	91	41725	2.566	ug/l	98
68) m/p-Xylenes	11.70	106	30533	4.911	ug/l	97
69) o-Xylene	12.03	106	14633	2.467	ug/l	98
70) Styrene	12.05	104	23375	2.337	ug/l	99
71) Bromoform	12.21	173	4223	2.384	ug/l #	100
73) Isopropylbenzene	12.33	105	37700	2.429	ug/l	98
74) N-amyl acetate	12.14	43	11120	2.918	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	7176	2.463	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	7758m	3.170	ug/l	
77) Bromobenzene	12.61	156	9357	2.709	ug/l	95
78) n-propylbenzene	12.67	91	46781	2.510	ug/l	100
79) 2-Chlorotoluene	12.75	91	25395	2.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	32996	2.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	2391m	2.137	ug/l	
82) 4-Chlorotoluene	12.85	91	28557	2.625	ug/l	100
83) tert-Butylbenzene	13.08	119	28034	2.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	32022	2.493	ug/l	99
85) sec-Butylbenzene	13.25	105	38445	2.411	ug/l	97
86) p-Isopropyltoluene	13.37	119	33923	2.441	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	18302	2.690	ug/l	92
88) 1,4-Dichlorobenzene	13.44	146	17375	2.555	ug/l	84
89) n-Butylbenzene	13.69	91	34186	2.489	ug/l	98
90) Hexachloroethane	13.95	117	5633	2.189	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	17083	2.774	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1605	2.904	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	12729	2.969	ug/l	94
94) Hexachlorobutadiene	15.11	225	6520	2.810	ug/l	93
95) Naphthalene	15.23	128	31806	3.324	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	10956	2.835	ug/l	96

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

