

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060503.D
 Acq On : 9 Oct 2018 21:58
 Operator : VA/AP
 Sample : J5164-03MDL
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Manual Integrations
 APPROVED

apatel
 10/10/2018 2:04:23 PM

Quant Time: Oct 10 12:43:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	219625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	365306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	307984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	176748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	189524	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	4.25	113	203482	60.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.02%	
50) Toluene-d8	7.67	98	381606	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.49	95	178402	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.99	85	12312	Below Cal	81
3) Chloromethane	1.12	50	8113m	3.039 ug/l	
4) Vinyl Chloride	1.18	62	6650	2.296 ug/l	93
5) Bromomethane	1.35	94	9947	4.367 ug/l #	63
6) Chloroethane	1.41	64	4558	2.977 ug/l #	79
7) Trichlorofluoromethane	1.53	101	18479	2.847 ug/l #	76
9) 1,1,2-Trichlorotrifluoroet	1.88	101	9607	2.959 ug/l #	81
10) Methyl Iodide	1.95	142	13936m	2.707 ug/l	
11) Tert butyl alcohol	2.68	59	3602	20.639 ug/l #	32
12) 1,1-Dichloroethene	1.85	96	8251	3.042 ug/l	94
13) Acrolein	2.07	56	2437	Below Cal	94
14) Allvl chloride	2.16	41	10354	2.590 ug/l	89
15) Acrylonitrile	3.04	53	6666	18.143 ug/l #	85
16) Acetone	2.31	43	12500	Below Cal	93
17) Carbon Disulfide	1.88	76	18049	2.393 ug/l #	87
18) Methyl Acetate	2.42	43	6466	3.092 ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	17879	2.928 ug/l	99
20) Methylene Chloride	2.30	84	16943m	6.687 ug/l	
21) trans-1,2-Dichloroethene	2.39	96	9584	3.786 ug/l #	83
22) Diisopropyl ether	2.90	45	23760	2.891 ug/l	93
23) Vinyl Acetate	3.30	43	35284	12.264 ug/l	98
24) 1,1-Dichloroethane	2.97	63	16468	2.986 ug/l #	90
25) 2-Butanone	4.49	43	12616	15.880 ug/l	95
26) 2,2-Dichloropropane	3.73	77	6882	2.393 ug/l	98
27) cis-1,2-Dichloroethene	3.59	96	8148	2.757 ug/l	94
28) Bromochloromethane	3.85	49	6450	3.367 ug/l #	86
29) Tetrahydrofuran	4.22	42	6410	19.140 ug/l #	86
30) Chloroform	3.99	83	17561	2.751 ug/l	98
31) Cyclohexane	3.83	56	9079m	2.573 ug/l	
32) 1,1,1-Trichloroethane	4.23	97	12016	2.390 ug/l	95
36) 1,1-Dichloropropene	4.42	75	10436	2.456 ug/l	90
37) Ethyl Acetate	4.25	43	6040	4.024 ug/l #	52
38) Carbon Tetrachloride	4.12	117	13462	3.154 ug/l	97
39) Methylcyclohexane	5.58	83	10357	2.589 ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.77	78	21204	2.430	ug/l	99
41) Methacrylonitrile	4.87	41	3152	3.696	ug/l #	71
42) 1,2-Dichloroethane	5.08	62	10671	2.696	ug/l	81
43) Isopropyl Acetate	7.08	43	6994	3.739	ug/l #	89
44) Trichloroethene	5.64	130	6628	2.439	ug/l	94
45) 1,2-Dichloropropane	6.37	63	5520	2.585	ug/l #	86
46) Dibromomethane	6.21	93	3957	2.310	ug/l #	86
47) Bromodichloromethane	6.50	83	9647	2.230	ug/l #	85
49) 1,4-Dioxane	6.84	88	710	18.661	ug/l #	29
51) 4-Methyl-2-Pentanone	8.37	43	22961	17.596	ug/l	92
52) Toluene	7.75	92	10878	1.980	ug/l	92
53) t-1,3-Dichloropropene	8.39	75	8330	2.479	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	8668	2.215	ug/l #	85
55) 1,1,2-Trichloroethane	8.61	97	4458	2.640	ug/l #	77
56) Ethyl methacrylate	8.73	69	6626	3.391	ug/l #	87
57) 1,3-Dichloropropane	8.96	76	6456	2.220	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.73	63	2851	14.360	ug/l	100
59) 2-Hexanone	9.61	43	19017	20.147	ug/l	92
60) Dibromochloromethane	8.83	129	6988	2.636	ug/l	92
61) 1,2-Dibromoethane	9.11	107	4812	2.522	ug/l #	79
64) Tetrachloroethene	8.26	164	6605	2.706	ug/l #	78
65) Chlorobenzene	9.91	112	13998	2.340	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.05	131	6181	2.294	ug/l	73
67) Ethyl Benzene	10.01	91	28811	2.553	ug/l	93
68) m/p-Xylenes	10.25	106	19527	5.069	ug/l	91
69) o-Xylene	10.81	106	11574	2.763	ug/l	79
70) Styrene	10.88	104	15594	2.586	ug/l	93
71) Bromoform	10.86	173	3203	2.345	ug/l #	94
73) Isopropylbenzene	11.20	105	32210	2.452	ug/l	96
74) N-amyl acetate	11.44	43	12551	4.389	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	7206	3.263	ug/l	71
76) 1,2,3-Trichloropropane	11.86	75	5147	3.015	ug/l	82
77) Bromobenzene	11.58	156	6475	2.218	ug/l	95
78) n-propylbenzene	11.67	91	39230	2.507	ug/l	90
79) 2-Chlorotoluene	11.79	91	25149	2.745	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	27811	2.523	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	1916m	2.574	ug/l	
82) 4-Chlorotoluene	11.97	91	26249	2.777	ug/l	97
83) tert-Butylbenzene	12.20	119	29117	2.628	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	28502	2.547	ug/l	98
85) sec-Butylbenzene	12.37	105	39787	2.648	ug/l	94
86) p-Isopropyltoluene	12.52	119	31260	2.534	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	15877	2.855	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	14350	2.661	ug/l	86
89) n-Butylbenzene	12.91	91	35505	2.750	ug/l	88
90) Hexachloroethane	12.98	117	7608	2.579	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	15233	2.845	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.70	75	1298	2.769	ug/l	87
93) 1,2,4-Trichlorobenzene	14.25	180	12008	2.904	ug/l	94
94) Hexachlorobutadiene	14.24	225	7632	2.715	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.51	128	24414	3.435	ug/l	94
96) 1,2,3-Trichlorobenzene	14.65	180	11418	2.964	ug/l	75

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

