

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060833.D
 Acq On : 26 Nov 2018 20:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:16 PM

Quant Time: Nov 27 02:11:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	206303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	327576	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.82	117	325604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	158999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	126466	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	4.16	113	133722	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	7.59	98	421426	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.44	95	187959	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	139059	45.081	ug/l	100
3) Chloromethane	1.11	50	95324	47.490	ug/l	99
4) Vinyl Chloride	1.15	62	90147	48.148	ug/l	98
5) Bromomethane	1.34	94	65611	49.697	ug/l	90
6) Chloroethane	1.39	64	40718	50.310	ug/l	90
7) Trichlorofluoromethane	1.51	101	193009	48.046	ug/l	96
8) Diethyl Ether	1.64	74	26124	45.223	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	96061	47.300	ug/l	95
10) Methyl Iodide	1.91	142	154149	49.936	ug/l	98
11) Tert butyl alcohol	2.60	59	23467	235.554	ug/l	96
12) 1,1-Dichloroethene	1.80	96	74163	45.401	ug/l	95
13) Acrolein	2.02	56	23491	248.869	ug/l	92
14) Allyl chloride	2.12	41	109341	53.703	ug/l	96
15) Acrylonitrile	2.98	53	56529	253.095	ug/l	91
16) Acetone	2.25	43	102879	229.556	ug/l #	92
17) Carbon Disulfide	1.85	76	208979	47.713	ug/l	97
18) Methyl Acetate	2.36	43	38907	51.806	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	183035	49.749	ug/l	99
20) Methylene Chloride	2.25	84	74804m	45.498	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	78112	49.600	ug/l	97
22) Diisopropyl ether	2.83	45	273392	49.330	ug/l	98
23) Vinyl Acetate	3.22	43	670230	264.564	ug/l	97
24) 1,1-Dichloroethane	2.90	63	165092	50.068	ug/l	97
25) 2-Butanone	4.38	43	181373	233.979	ug/l	94
26) 2,2-Dichloropropane	3.64	77	98563	46.107	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	119953	46.786	ug/l	95
28) Bromochloromethane	3.75	49	77893	49.223	ug/l	97
29) Tetrahydrofuran	4.11	42	70219	213.703	ug/l	95
30) Chloroform	3.89	83	228497	45.026	ug/l	95
31) Cyclohexane	3.73	56	160097	46.784	ug/l	97
32) 1,1,1-Trichloroethane	4.14	97	171280	48.666	ug/l	95
36) 1,1-Dichloropropene	4.33	75	173245	47.682	ug/l	98
37) Ethyl Acetate	4.15	43	69792	47.268	ug/l #	81
38) Carbon Tetrachloride	4.03	117	154453	48.129	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	187398	49.216	ug/l	98
40) Benzene	4.67	78	366914	45.711	ug/l	98
41) Methacrylonitrile	4.78	41	42115	55.519	ug/l #	91
42) 1,2-Dichloroethane	4.99	62	138990	47.430	ug/l	99
43) Isopropyl Acetate	7.00	43	95127	52.345	ug/l	97
44) Trichloroethene	5.55	130	116902	44.542	ug/l	99
45) 1,2-Dichloropropane	6.28	63	108328	51.964	ug/l	97
46) Dibromomethane	6.13	93	71374	50.470	ug/l	96
47) Bromodichloromethane	6.43	83	183636	48.891	ug/l	97
48) Methyl methacrylate	6.75	41	67775	50.711	ug/l	96
49) 1,4-Dioxane	6.73	88	9494	970.620	ug/l #	80
51) 4-Methyl-2-Pentanone	8.29	43	329108	241.712	ug/l	95
52) Toluene	7.67	92	262314	46.525	ug/l	98
53) t-1,3-Dichloropropene	8.32	75	148297	48.539	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	192327	50.849	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	82663	50.316	ug/l	98
56) Ethyl methacrylate	8.66	69	92654	50.768	ug/l	98
57) 1,3-Dichloropropane	8.89	76	143627	49.969	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.34	63	46289	247.965	ug/l	96
59) 2-Hexanone	9.52	43	248022	259.647	ug/l	99
60) Dibromochloromethane	8.76	129	116199	47.470	ug/l	93
61) 1,2-Dibromoethane	9.02	107	90951	51.246	ug/l	98
64) Tetrachloroethene	8.19	164	117632	47.299	ug/l	95
65) Chlorobenzene	9.84	112	308431	48.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.97	131	124463	45.706	ug/l	97
67) Ethyl Benzene	9.94	91	574258	48.697	ug/l	98
68) m/p-Xylenes	10.17	106	389944	91.940	ug/l	99
69) o-Xylene	10.75	106	228980	48.960	ug/l	95
70) Styrene	10.83	104	302048	46.590	ug/l	99
71) Bromoform	10.81	173	61718	46.922	ug/l #	95
73) Isopropylbenzene	11.15	105	633642	50.429	ug/l	98
74) N-amyl acetate	11.40	43	163088	56.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	107489	51.979	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	78106	51.963	ug/l	89
77) Bromobenzene	11.53	156	136409	49.518	ug/l	90
78) n-propylbenzene	11.63	91	745715	50.679	ug/l	95
79) 2-Chlorotoluene	11.75	91	430667	51.044	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	498511	48.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.90	75	33315m	45.237	ug/l	
82) 4-Chlorotoluene	11.93	91	430512	48.486	ug/l	93
83) tert-Butylbenzene	12.16	119	497964	47.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.23	105	490438	48.175	ug/l	98
85) sec-Butylbenzene	12.34	105	715067	50.272	ug/l	96
86) p-Isopropyltoluene	12.48	119	584161	48.985	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	253377	48.355	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	251190	49.191	ug/l	97
89) n-Butylbenzene	12.87	91	568017	47.106	ug/l	96
90) Hexachloroethane	12.95	117	145792	50.770	ug/l	82
91) 1,2-Dichlorobenzene	12.97	146	240801	48.528	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	19815	49.561	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	179189	51.682	ug/l	97
94) Hexachlorobutadiene	14.22	225	119182	51.565	ug/l	98
95) Naphthalene	14.49	128	368690	55.147	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	171394	53.239	ug/l	98

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

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