

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060167.D
 Acq On : 29 Aug 2018 00:32
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:01:25 PM

Quant Time: Aug 29 02:20:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:08:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	78319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	92370	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	78145	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	41446	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	5218	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	4.27	113	5887	8.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.66%	
50) Toluene-d8	7.70	98	19652	9.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.96%	
62) 4-Bromofluorobenzene	11.50	95	7768	7.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	15207	13.29	ug/l	95
3) Chloromethane	1.07	50	5677	7.65	ug/l	91
4) Vinyl Chloride	1.12	62	5982	9.40	ug/l #	76
5) Bromomethane	1.32	94	2679	5.89	ug/l	84
6) Chloroethane	1.41	64	3373	12.38	ug/l	97
7) Trichlorofluoromethane	1.49	101	27362	17.99	ug/l	92
8) Diethyl Ether	1.69	74	976	4.69	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	11991	15.65	ug/l	92
10) Methyl Iodide	1.93	142	5228	6.31	ug/l #	85
11) Tert butyl alcohol	2.62	59	387	7.94	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	7165	13.27	ug/l	81
13) Acrolein	2.07	56	625	25.35	ug/l #	63
14) Allyl chloride	2.18	41	5442	6.44	ug/l	90
15) Acrylonitrile	3.04	53	1149	11.63	ug/l #	87
16) Acetone	2.31	43	3915	16.04	ug/l	99
17) Carbon Disulfide	1.84	76	20588	12.08	ug/l	97
18) Methyl Acetate	2.43	43	1670	3.48	ug/l #	67
19) Methyl tert-butyl Ether	2.50	73	5595	3.96	ug/l #	88
20) Methylene Chloride	2.27	84	5162	8.30	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	6107	10.53	ug/l	87
22) Diisopropyl ether	2.89	45	9358	5.16	ug/l #	83
23) Vinyl Acetate	3.30	43	11773	13.03	ug/l #	87
24) 1,1-Dichloroethane	2.99	63	11332	9.46	ug/l #	95
25) 2-Butanone	4.46	43	2844	9.03	ug/l	100
26) 2,2-Dichloropropane	3.74	77	7645	6.43	ug/l	83
27) cis-1,2-Dichloroethene	3.62	96	4252	5.80	ug/l	94
28) Bromochloromethane	3.88	49	2430m	5.18	ug/l	
29) Tetrahydrofuran	4.23	42	1555	12.94	ug/l #	89
30) Chloroform	4.01	83	13316	8.18	ug/l #	80
31) Cyclohexane	3.86	56	8953	9.26	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	16914	11.16	ug/l #	80
36) 1,1-Dichloropropene	4.44	75	11628	12.47	ug/l	90
37) Ethyl Acetate	4.25	43	1811	3.95	ug/l #	36
38) Carbon Tetrachloride	4.15	117	15948	13.90	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	10326	11.34	ug/l	93
40) Benzene	4.79	78	16216	8.65	ug/l	90
41) Methacrylonitrile	4.89	41	836	3.56	ug/l #	61
42) 1,2-Dichloroethane	5.09	62	6593	6.95	ug/l	99
43) Isopropyl Acetate	7.09	43	2110	3.69	ug/l #	87
44) Trichloroethene	5.67	130	6708	10.30	ug/l	100
45) 1,2-Dichloropropane	6.38	63	3753	7.42	ug/l #	78
46) Dibromomethane	6.23	93	2128	5.56	ug/l #	74
47) Bromodichloromethane	6.53	83	7403	7.69	ug/l #	83
48) Methyl methacrylate	6.86	41	1748	4.58	ug/l #	88
49) 1,4-Dioxane	6.84	88	216	59.75	ug/l #	20
51) 4-Methyl-2-Pentanone	8.39	43	8549	17.17	ug/l	91
52) Toluene	7.77	92	12783	9.18	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	3708	4.41	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	5076	5.42	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	2245	4.89	ug/l #	85
56) Ethyl methacrylate	8.75	69	1747	3.21	ug/l	94
57) 1,3-Dichloropropane	8.99	76	3971	4.92	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.77	63	2730	53.51	ug/l	100
59) 2-Hexanone	9.62	43	5951	14.86	ug/l	96
60) Dibromochloromethane	8.85	129	3867	5.59	ug/l	72
61) 1,2-Dibromoethane	9.13	107	2542	4.73	ug/l #	62
64) Tetrachloroethene	8.30	164	9084	15.06	ug/l #	88
65) Chlorobenzene	9.93	112	15064	10.08	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	5465	9.75	ug/l	80
67) Ethyl Benzene	10.03	91	33514	12.08	ug/l	100
68) m/p-Xylenes	10.26	106	22104	21.30	ug/l	99
69) o-Xylene	10.82	106	9666	9.55	ug/l	94
70) Styrene	10.89	104	11731	7.78	ug/l	93
71) Bromoform	10.88	173	1472	4.09	ug/l	88
73) Isopropylbenzene	11.23	105	39852	13.82	ug/l	98
74) N-amyl acetate	11.45	43	3136	4.55	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.78	83	3014	6.04	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	2299m	5.80	ug/l	
77) Bromobenzene	11.59	156	6269	9.28	ug/l	93
78) n-propylbenzene	11.68	91	47320	13.43	ug/l	95
79) 2-Chlorotoluene	11.81	91	22775	11.69	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	31013	12.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	526m	3.09	ug/l	
82) 4-Chlorotoluene	11.98	91	23068	11.17	ug/l	100
83) tert-Butylbenzene	12.21	119	33649	14.19	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	26520	10.81	ug/l	99
85) sec-Butylbenzene	12.38	105	49185	14.42	ug/l	95
86) p-Isopropyltoluene	12.54	119	34538	12.51	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	13017	10.15	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	12639	10.07	ug/l	91
89) n-Butylbenzene	12.91	91	29753	11.50	ug/l	98
90) Hexachloroethane	12.99	117	7696	12.62	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	10661	8.98	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	529	5.25	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	4360	5.36	ug/l	81
94) Hexachlorobutadiene	14.25	225	9492	15.16	ug/l	92
95) Naphthalene	14.52	128	2782	2.41	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.67	180	3250	4.26	ug/l	84

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

