

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060190.D
 Acq On : 29 Aug 2018 15:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:00:58 PM

Quant Time: Aug 30 03:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	152752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	243054	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	262497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	170637	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	26939	21.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.38%	
35) Dibromofluoromethane	4.30	113	21120	12.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.96%	
50) Toluene-d8	7.72	98	53716	9.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.82%	
62) 4-Bromofluorobenzene	11.51	95	32422	14.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	32575	10.63	ug/l	96
3) Chloromethane	1.07	50	18554	14.84	ug/l	100
4) Vinyl Chloride	1.12	62	13407	11.35	ug/l	95
5) Bromomethane	1.32	94	13475	20.06	ug/l	83
6) Chloroethane	1.39	64	8415	12.06	ug/l	93
7) Trichlorofluoromethane	1.49	101	39098	7.69	ug/l	100
8) Diethyl Ether	1.70	74	4706	18.93	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.86	101	16527	7.39	ug/l	96
10) Methyl Iodide	1.93	142	15361	12.86	ug/l #	89
11) Tert butyl alcohol	2.69	59	6256	179.56	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	11019	7.80	ug/l #	95
13) Acrolein	2.10	56	4253	141.73	ug/l	95
14) Allyl chloride	2.19	41	19080	14.86	ug/l	97
15) Acrylonitrile	3.08	53	9644	134.71	ug/l	92
16) Acetone	2.34	43	37878	182.28	ug/l #	93
17) Carbon Disulfide	1.84	76	35921	8.65	ug/l #	93
18) Methyl Acetate	2.45	43	11121m	26.67	ug/l	
19) Methyl tert-butyl Ether	2.54	73	36417	24.07	ug/l #	92
20) Methylene Chloride	2.27	84	14956	16.26	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	12036	9.87	ug/l	93
22) Diisopropyl ether	2.92	45	38067	16.35	ug/l	91
23) Vinyl Acetate	3.33	43	103401	125.81	ug/l #	95
24) 1,1-Dichloroethane	3.00	63	28064	12.83	ug/l	97
25) 2-Butanone	4.51	43	40658	181.89	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	29117	16.54	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	16369	16.61	ug/l	96
28) Bromochloromethane	3.89	49	11129	20.39	ug/l	98
29) Tetrahydrofuran	4.26	42	14470	159.15	ug/l	97
30) Chloroform	4.04	83	42650	16.00	ug/l	95
31) Cyclohexane	3.85	56	19335	9.85	ug/l #	88
32) 1,1,1-Trichloroethane	4.28	97	39651	11.55	ug/l	93
36) 1,1-Dichloropropene	4.45	75	23998	7.37	ug/l	92
37) Ethyl Acetate	4.30	43	14643	23.54	ug/l	85
38) Carbon Tetrachloride	4.17	117	34604	7.84	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	20584	6.77	ug/l	98
40) Benzene	4.81	78	49474	10.54	ug/l	99
41) Methacrylonitrile	4.93	41	7070	22.10	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	33437	16.78	ug/l	99
43) Isopropyl Acetate	7.12	43	18267	24.02	ug/l #	99
44) Trichloroethene	5.68	130	17828	9.20	ug/l	96
45) 1,2-Dichloropropane	6.40	63	14850	13.90	ug/l #	86
46) Dibromomethane	6.26	93	14328	21.70	ug/l	89
47) Bromodichloromethane	6.55	83	31929	14.72	ug/l #	97
48) Methyl methacrylate	6.88	41	12122	20.07	ug/l	94
49) 1,4-Dioxane	6.88	88	1780	424.81	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	84209	122.68	ug/l	99
52) Toluene	7.77	92	39780	11.19	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	29182	20.43	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	29150	16.84	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	14327	18.57	ug/l #	86
56) Ethyl methacrylate	8.76	69	17297	22.76	ug/l	98
57) 1,3-Dichloropropane	9.00	76	26387	19.68	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	8893	60.21	ug/l	100
59) 2-Hexanone	9.63	43	67557	130.86	ug/l	100
60) Dibromochloromethane	8.86	129	23649	18.82	ug/l	93
61) 1,2-Dibromoethane	9.14	107	16785	19.81	ug/l	100
64) Tetrachloroethene	8.32	164	19881	6.59	ug/l #	80
65) Chlorobenzene	9.94	112	54809	10.36	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	21765	11.84	ug/l	95
67) Ethyl Benzene	10.04	91	96772	8.45	ug/l	95
68) m/p-Xylenes	10.27	106	70050	18.32	ug/l	96
69) o-Xylene	10.83	106	35618	10.15	ug/l	98
70) Styrene	10.91	104	57826	12.80	ug/l	93
71) Bromoform	10.89	173	13564	17.44	ug/l	97
73) Isopropylbenzene	11.23	105	111302	6.46	ug/l	94
74) N-amyl acetate	11.46	43	29115	16.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	21619	14.91	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	19234	15.67	ug/l	99
77) Bromobenzene	11.60	156	30170	10.92	ug/l	90
78) n-propylbenzene	11.69	91	140363	6.75	ug/l	98
79) 2-Chlorotoluene	11.82	91	77841	7.76	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	97307	7.31	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	6645m	18.37	ug/l	
82) 4-Chlorotoluene	11.99	91	92248	9.22	ug/l	93
83) tert-Butylbenzene	12.22	119	95278	6.82	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	103742	8.94	ug/l	97
85) sec-Butylbenzene	12.39	105	126099	6.18	ug/l	94
86) p-Isopropyltoluene	12.55	119	112573	7.34	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	58926	10.27	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	53549	10.12	ug/l	94
89) n-Butylbenzene	12.92	91	108895	8.17	ug/l	96
90) Hexachloroethane	13.00	117	24492	7.40	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	55640	12.02	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	4950	17.56	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	41337	17.79	ug/l	94
94) Hexachlorobutadiene	14.26	225	25983	6.97	ug/l	96
95) Naphthalene	14.53	128	56431	23.47	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	37688	18.86	ug/l	94

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

