

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062643.D
 Acq On : 17 May 2019 17:27
 Operator : FY/SY
 Sample : K2894-02
 Misc : 5.10µ/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-04-9-10

Quant Time: May 18 01:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	39782	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	48494	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	18737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	264	50.00	ug/l	-0.09

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	5017	17.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.70%	
35) Dibromofluoromethane	4.30	113	4328	11.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	23.32%	
50) Toluene-d8	7.72	98	26502	29.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.82%	
62) 4-Bromofluorobenzene	11.50	95	3019	8.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.15	85	604	1.116	ug/l	85
3) Chloromethane	1.15	50	805	1.615	ug/l #	80
5) Bromomethane	1.38	94	652	2.597	ug/l #	34
6) Chloroethane	1.43	64	950	5.637	ug/l #	51
8) Diethyl Ether	1.73	74	223	1.827	ug/l	78
11) Tert butyl alcohol	2.68	59	383	20.636	ug/l #	70
13) Acrolein	2.15	56	784	40.467	ug/l #	63
14) Allyl chloride	2.35	41	487	1.506	ug/l	85
15) Acrylonitrile	3.07	53	154	2.942	ug/l #	1
16) Acetone	2.34	43	4219	57.849	ug/l	98
18) Methyl Acetate	2.43	43	1693	14.772	ug/l #	90
19) Methyl tert-butyl Ether	2.56	73	716	1.121	ug/l	95
20) Methylene Chloride	2.31	84	447	1.223	ug/l #	15
21) trans-1,2-Dichloroethene	2.43	96	684	1.958	ug/l #	4
23) Vinyl Acetate	3.32	43	1138	2.115	ug/l #	73
25) 2-Butanone	4.52	43	931	5.975	ug/l #	50
26) 2,2-Dichloropropane	3.80	77	474	1.416	ug/l	92
27) cis-1,2-Dichloroethene	3.65	96	1035	1.801	ug/l	15
29) Tetrahydrofuran	4.23	42	736	11.673	ug/l #	30
31) Cyclohexane	3.86	56	1196	1.522	ug/l #	44
36) 1,1-Dichloropropene	4.47	75	813	1.636	ug/l #	1
37) Ethyl Acetate	4.30	43	1000	4.929	ug/l #	62
40) Benzene	4.79	78	1706	1.260	ug/l #	82
41) Methacrylonitrile	4.93	41	399	3.751	ug/l #	30
42) 1,2-Dichloroethane	5.23	62	313	1.159	ug/l	71
43) Isopropyl Acetate	7.09	43	1021	3.884	ug/l #	43
46) Dibromomethane	6.31	93	323	1.635	ug/l #	19
48) Methyl methacrylate	6.87	41	1235	8.989	ug/l #	41
49) 1,4-Dioxane	6.85	88	85	48.305	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	729	4.057	ug/l	96
53) t-1,3-Dichloropropene	8.38	75	984	2.934	ug/l #	44
54) cis-1,3-Dichloropropene	7.49	75	515	1.097	ug/l #	1
55) 1,1,2-Trichloroethane	8.61	97	568	2.702	ug/l #	40
56) Ethyl methacrylate	8.76	69	1598	6.381	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2-Chloroethyl Vinyl ether	7.39	63	482	5.913	ug/l #	27
59) 2-Hexanone	9.68	43	1647	Below Cal		75
64) Tetrachloroethene	8.29	164	151	1.017	ug/l #	43
67) Ethyl Benzene	10.03	91	1501	2.348	ug/l	95
68) m/p-Xylenes	10.27	106	839	3.492	ug/l #	55
71) Bromoform	10.86	173	205	2.771	ug/l #	27
73) Isopropylbenzene	11.22	105	1343	70.978	ug/l	97
74) N-amyl acetate	11.45	43	883	199.554	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	11.74	83	871	225.249	ug/l #	88
76) 1,2,3-Trichloropropane	11.88	75	232	91.312	ug/l #	1
77) Bromobenzene	11.61	156	338	71.865	ug/l #	36
78) n-propylbenzene	11.82	91	399	17.818	ug/l	78
79) 2-Chlorotoluene	11.82	91	1114	88.274	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	321	21.157	ug/l	78
81) trans-1,4-Dichloro-2-buten	11.95	75	261	231.100	ug/l #	55
82) 4-Chlorotoluene	12.02	91	1030	82.766	ug/l	95
83) tert-Butylbenzene	12.20	119	886	57.560	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.28	105	686	46.716	ug/l	94
85) sec-Butylbenzene	12.28	105	686	33.209	ug/l	97
86) p-Isopropyltoluene	12.52	119	487	27.974	ug/l #	33
87) 1,3-Dichlorobenzene	12.55	146	191	22.446	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	285	35.691	ug/l #	24
89) n-Butylbenzene	12.97	91	673	39.209	ug/l	76
90) Hexachloroethane	12.99	117	173	41.425	ug/l #	53
91) 1,2-Dichlorobenzene	12.99	146	302	39.815	ug/l #	44
92) 1,2-Dibromo-3-Chloropropan	13.55	75	150	325.169	ug/l	63
93) 1,2,4-Trichlorobenzene	14.29	180	80	14.735	ug/l #	1
94) Hexachlorobutadiene	14.22	225	66	17.419	ug/l #	16
95) Naphthalene	14.48	128	1094	110.914	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.64	180	172	33.445	ug/l #	11

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

