

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059630.D
 Acq On : 23 Jul 2018 22:45
 Operator : VA/AP
 Sample : J4099-10MS
 Misc : 5.21g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-09MS

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:14:46 PM

Quant Time: Jul 24 08:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	201279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	283921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	210882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	68916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	160933	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	4.28	113	136363	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	7.70	98	309834	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.51	95	105107	27.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	116042	45.95	ug/l	98
3) Chloromethane	1.10	50	48294	41.93	ug/l	93
4) Vinyl Chloride	1.16	62	61144	47.00	ug/l	89
5) Bromomethane	1.33	94	37068	32.93	ug/l	90
6) Chloroethane	1.42	64	37005	46.61	ug/l #	83
7) Trichlorofluoromethane	1.48	101	166981m	47.20	ug/l	
8) Diethyl Ether	1.70	74	26245	51.69	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	75804	42.59	ug/l #	86
10) Methyl Iodide	1.95	142	95229	31.82	ug/l	96
11) Tert butyl alcohol	2.67	59	30718	238.27	ug/l	96
12) 1,1-Dichloroethene	1.85	96	66887	47.41	ug/l	95
13) Acrolein	2.12	56	333	5.15	ug/l	85
14) Allyl chloride	2.18	41	80746	31.61	ug/l	87
15) Acrylonitrile	3.07	53	39124	196.73	ug/l	95
16) Acetone	2.33	43	98549	181.47	ug/l	95
17) Carbon Disulfide	1.84	76	72987	19.99	ug/l	98
18) Methyl Acetate	2.45	43	87845	129.20	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	198987	48.39	ug/l	97
20) Methylene Chloride	2.27	84	67565	55.25	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	64072	44.18	ug/l	90
22) Diisopropyl ether	2.92	45	238903	51.04	ug/l	99
24) 1,1-Dichloroethane	2.99	63	169599	50.55	ug/l	99
25) 2-Butanone	4.50	43	105085	187.68	ug/l	97
26) 2,2-Dichloropropane	3.75	77	136575	48.30	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	87448	52.61	ug/l	99
28) Bromochloromethane	3.88	49	60332	48.92	ug/l	97
29) Tetrahydrofuran	4.24	42	49811	219.59	ug/l	94
30) Chloroform	4.02	83	224947	48.77	ug/l	96
31) Cyclohexane	3.86	56	64367	34.48	ug/l #	93
32) 1,1,1-Trichloroethane	4.26	97	200186	47.93	ug/l	96
36) 1,1-Dichloropropene	4.45	75	126407	43.96	ug/l #	93
37) Ethyl Acetate	4.24	43	15509	13.42	ug/l #	1
38) Carbon Tetrachloride	4.16	117	143113	32.26	ug/l	93
39) Methylcyclohexane	5.61	83	52282	22.41	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.80	78	247564	47.11	ug/l	98
41) Methacrylonitrile	4.91	41	19489	32.89	ug/l #	74
42) 1,2-Dichloroethane	5.11	62	160910	45.36	ug/l	100
43) Isopropyl Acetate	7.11	43	1616	1.09	ug/l #	90
44) Trichloroethene	5.66	130	88024	43.46	ug/l	95
45) 1,2-Dichloropropane	6.40	63	65664	46.16	ug/l	96
46) Dibromomethane	6.24	93	56764	48.17	ug/l	89
47) Bromodichloromethane	6.54	83	127980	35.79	ug/l	97
48) Methyl methacrylate	6.86	41	59797	54.12	ug/l	91
49) 1,4-Dioxane	6.85	88	7928	1157.04	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	244242	226.95	ug/l	97
52) Toluene	7.77	92	162342	40.58	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	96270	31.84	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	99356	33.15	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	55363	40.44	ug/l	94
56) Ethyl methacrylate	8.75	69	1999	1.31	ug/l #	55
57) 1,3-Dichloropropane	8.99	76	100331	42.12	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	35795	203.02	ug/l #	100
59) 2-Hexanone	9.62	43	131982	151.12	ug/l	98
60) Dibromochloromethane	8.85	129	71356	29.27	ug/l	99
61) 1,2-Dibromoethane	9.13	107	60833	38.77	ug/l	91
64) Tetrachloroethene	8.29	164	75191	48.01	ug/l	94
65) Chlorobenzene	9.93	112	174370	44.84	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	80748	45.83	ug/l	94
67) Ethyl Benzene	10.03	91	323496	45.75	ug/l	97
68) m/p-Xylenes	10.25	106	206996	86.14	ug/l	96
69) o-Xylene	10.83	106	114381	43.83	ug/l	88
70) Stvrene	10.89	104	141558	36.16	ug/l	97
71) Bromoform	10.88	173	34834	31.91	ug/l	99
73) Isopropylbenzene	11.22	105	297096	67.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	59091	80.42	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	52129	81.21	ug/l	90
77) Bromobenzene	11.58	156	70958	62.57	ug/l	93
78) n-propylbenzene	11.68	91	301215	57.43	ug/l	97
79) 2-Chlorotoluene	11.80	91	179869	57.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	203592	51.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	11454m	44.99	ug/l	
82) 4-Chlorotoluene	11.98	91	192237	54.98	ug/l	96
83) tert-Butylbenzene	12.21	119	186852	48.23	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	198819	49.88	ug/l	98
85) sec-Butylbenzene	12.38	105	208473	41.63	ug/l	99
86) p-Isopropyltoluene	12.53	119	132908	30.15	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	93507	43.00	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	91311	44.75	ug/l	98
89) n-Butylbenzene	12.92	91	108181	25.69	ug/l	94
90) Hexachloroethane	12.99	117	32580	29.84	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	79282	39.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10420	58.91	ug/l	98
93) 1,2,4-Trichlorobenzene	14.27	180	22844	15.08	ug/l	97
94) Hexachlorobutadiene	14.25	225	13468	12.77	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.52	128	44778	18.20	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	16832	12.22	ug/l	92

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

