

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059631.D
 Acq On : 23 Jul 2018 23:12
 Operator : VA/AP
 Sample : J4099-11MSD
 Misc : 5.57g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-09MSD

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:14:52 PM

Quant Time: Jul 24 08:54:29 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	5.03	168	209195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	291095	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	207396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	66716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	160174	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	4.28	113	142825	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	7.70	98	313694	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
62) 4-Bromofluorobenzene	11.51	95	101866	26.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	125350	47.75	ug/l	93
3) Chloromethane	1.09	50	48348	40.39	ug/l #	81
4) Vinyl Chloride	1.16	62	65800	48.66	ug/l #	80
5) Bromomethane	1.33	94	41316	35.31	ug/l	92
6) Chloroethane	1.41	64	40285	48.82	ug/l #	86
7) Trichlorofluoromethane	1.48	101	175560m	47.75	ug/l	
8) Diethyl Ether	1.69	74	26146	49.54	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	82932	44.83	ug/l	93
10) Methyl Iodide	1.96	142	88137	28.33	ug/l #	94
11) Tert butyl alcohol	2.68	59	27293	203.69	ug/l #	87
12) 1,1-Dichloroethene	1.85	96	68574	46.76	ug/l	98
13) Acrolein	2.01	56	303	4.51	ug/l	84
14) Allyl chloride	2.18	41	88396	33.30	ug/l	96
15) Acrylonitrile	3.06	53	37269	180.31	ug/l	97
16) Acetone	2.33	43	88280	156.41	ug/l	96
17) Carbon Disulfide	1.84	76	72438	19.08	ug/l #	83
18) Methyl Acetate	2.44	43	79034	111.02	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	196826	46.06	ug/l	99
20) Methylene Chloride	2.27	84	64534	50.15	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	65560	43.50	ug/l	89
22) Diisopropyl ether	2.91	45	245000	50.36	ug/l	98
24) 1,1-Dichloroethane	2.99	63	169000	48.46	ug/l	99
25) 2-Butanone	4.50	43	103415	177.71	ug/l #	89
26) 2,2-Dichloropropane	3.76	77	134592	45.80	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	87660	50.74	ug/l	87
28) Bromochloromethane	3.88	49	50980	39.77	ug/l	95
29) Tetrahydrofuran	4.24	42	42919	182.04	ug/l	90
30) Chloroform	4.03	83	228074	47.58	ug/l	93
31) Cyclohexane	3.86	56	63848	32.91	ug/l #	91
32) 1,1,1-Trichloroethane	4.27	97	203465	46.87	ug/l	91
36) 1,1-Dichloropropene	4.45	75	135429	45.94	ug/l #	92
37) Ethyl Acetate	4.24	43	15786	13.32	ug/l #	1
38) Carbon Tetrachloride	4.16	117	171662	37.74	ug/l	98
39) Methylcyclohexane	5.62	83	54608	22.83	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.79	78	253640	47.08	ug/l	99
41) Methacrylonitrile	4.91	41	18471	30.40	ug/l #	75
42) 1,2-Dichloroethane	5.11	62	156265	42.96	ug/l	100
44) Trichloroethene	5.66	130	93619	45.08	ug/l	97
45) 1,2-Dichloropropane	6.39	63	68245	46.79	ug/l	98
46) Dibromomethane	6.24	93	51694	42.79	ug/l	98
47) Bromodichloromethane	6.54	83	138118	37.67	ug/l #	91
48) Methyl methacrylate	6.86	41	56773	50.12	ug/l	92
49) 1,4-Dioxane	6.85	88	6839m	969.61	ug/l	
51) 4-Methyl-2-Pentanone	8.39	43	217106	196.77	ug/l	98
52) Toluene	7.77	92	167120	40.75	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	103199	33.29	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	100999	32.87	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	54205	38.62	ug/l	93
56) Ethyl methacrylate	8.75	69	4347	2.78	ug/l #	67
57) 1,3-Dichloropropane	8.99	76	101090	41.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	35554	196.68	ug/l	100
59) 2-Hexanone	9.62	43	116713	130.34	ug/l	100
60) Dibromochloromethane	8.86	129	80553	32.23	ug/l	100
61) 1,2-Dibromoethane	9.13	107	63545	39.50	ug/l	87
64) Tetrachloroethene	8.29	164	74313	48.25	ug/l	92
65) Chlorobenzene	9.93	112	181625	47.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	82584	47.66	ug/l	96
67) Ethyl Benzene	10.03	91	321425	46.22	ug/l	97
68) m/p-Xylenes	10.27	106	203982	86.32	ug/l	99
69) o-Xylene	10.82	106	110309	42.98	ug/l	96
70) Styrene	10.90	104	145882	37.89	ug/l	92
71) Bromoform	10.88	173	37219	34.66	ug/l	83
73) Isopropylbenzene	11.22	105	291086	68.70	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	58463	82.19	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	53821	86.61	ug/l	80
77) Bromobenzene	11.59	156	73192	66.67	ug/l	97
78) n-propylbenzene	11.68	91	298452	58.77	ug/l	98
79) 2-Chlorotoluene	11.80	91	184617	60.66	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	199888	52.70	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	12543m	50.89	ug/l	
82) 4-Chlorotoluene	11.98	91	186473	55.09	ug/l	99
83) tert-Butylbenzene	12.21	119	185228	49.38	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	196188	50.84	ug/l	95
85) sec-Butylbenzene	12.38	105	203719	42.02	ug/l	100
86) p-Isopropyltoluene	12.53	119	130200	30.51	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	97461	46.30	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	91737	46.45	ug/l	99
89) n-Butylbenzene	12.92	91	89471	21.95	ug/l	97
90) Hexachloroethane	12.99	117	33202	31.41	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	78057	39.78	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9331	54.50	ug/l	91
93) 1,2,4-Trichlorobenzene	14.27	180	21211	14.46	ug/l	93
94) Hexachlorobutadiene	14.25	225	13638	13.36	ug/l	83
95) Naphthalene	14.52	128	42379	17.79	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.66	180	15522	11.64	ug/l	93

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

