

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059534.D
 Acq On : 19 Jul 2018 1:22
 Operator : VA/AP
 Sample : J3982-03MS
 Misc : 13.24g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:53 AM

Quant Time: Jul 19 05:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	205686	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	316288	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	300017	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	170205	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	177928	55.62	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	4.28	113	142571	52.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	7.70	98	339016	49.13	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.50	95	183670	50.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	125989	49.99	ug/l	100
3) Chloromethane	1.08	50	54782	39.51	ug/l	90
4) Vinyl Chloride	1.15	62	66949	47.85	ug/l	94
5) Bromomethane	1.34	94	48233	49.74	ug/l	90
6) Chloroethane	1.43	64	34486	48.88	ug/l #	80
7) Trichlorofluoromethane	1.49	101	170044m	49.66	ug/l	
8) Diethyl Ether	1.69	74	29397	44.61	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.90	101	77988	53.93	ug/l #	88
10) Methyl Iodide	1.96	142	151281	59.76	ug/l	89
11) Tert butyl alcohol	2.68	59	31042	228.95	ug/l	99
12) 1,1-Dichloroethene	1.85	96	74744	48.60	ug/l	92
13) Acrolein	2.08	56	6837	85.56	ug/l	98
14) Allyl chloride	2.19	41	121104	63.10	ug/l	92
15) Acrylonitrile	3.07	53	54074	201.48	ug/l	91
16) Acetone	2.33	43	135575	287.93	ug/l	99
17) Carbon Disulfide	1.86	76	162642	41.27	ug/l	100
18) Methyl Acetate	2.44	43	72802	76.08	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	226092	46.87	ug/l	97
20) Methylene Chloride	2.27	84	73990m	51.40	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	71253	50.11	ug/l	87
22) Diisopropyl ether	2.91	45	268154	49.72	ug/l	95
23) Vinyl Acetate	3.32	43	325243	103.19	ug/l	100
24) 1,1-Dichloroethane	2.99	63	186477	55.98	ug/l	97
25) 2-Butanone	4.49	43	145970	196.54	ug/l	99
26) 2,2-Dichloropropane	3.74	77	118607	53.82	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	94755	57.26	ug/l	98
28) Bromochloromethane	3.87	49	71670	48.88	ug/l #	93
29) Tetrahydrofuran	4.24	42	63042	204.71	ug/l	98
30) Chloroform	4.02	83	266133	55.31	ug/l	94
31) Cyclohexane	3.85	56	84968	49.25	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	201748	64.52	ug/l	96
36) 1,1-Dichloropropene	4.44	75	146578	46.30	ug/l	98
37) Ethyl Acetate	4.27	43	54958	29.93	ug/l #	1
38) Carbon Tetrachloride	4.16	117	210960m	58.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	85441	35.56	ug/l	93
40) Benzene	4.80	78	277346	45.16	ug/l	98
41) Methacrylonitrile	4.91	41	32012	35.26	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	205996	51.06	ug/l	100
43) Isopropyl Acetate	7.10	43	63379	27.86	ug/l #	97
44) Trichloroethene	5.66	130	104067	45.78	ug/l	98
45) 1,2-Dichloropropane	6.38	63	85071	49.90	ug/l	100
46) Dibromomethane	6.24	93	70002	45.09	ug/l	96
47) Bromodichloromethane	6.53	83	200106	50.07	ug/l	99
48) Methyl methacrylate	6.86	41	62500	38.47	ug/l	93
49) 1,4-Dioxane	6.86	88	6642	885.92	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	301887	187.21	ug/l	98
52) Toluene	7.76	92	213861	48.01	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	157066	42.73	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	168279	45.98	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	80231	46.49	ug/l	97
56) Ethyl methacrylate	8.75	69	70305	32.85	ug/l	98
57) 1,3-Dichloropropane	8.99	76	143554	47.04	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	43360	229.47	ug/l	100
59) 2-Hexanone	9.62	43	233155	191.31	ug/l	97
60) Dibromochloromethane	8.85	129	141141	48.53	ug/l	98
61) 1,2-Dibromoethane	9.12	107	95428	44.56	ug/l	97
64) Tetrachloroethene	8.29	164	119008	53.27	ug/l	95
65) Chlorobenzene	9.93	112	284159	50.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	129001	50.34	ug/l	96
67) Ethyl Benzene	10.03	91	468023	46.73	ug/l	98
68) m/p-Xylenes	10.26	106	326089	92.25	ug/l	99
69) o-Xylene	10.82	106	185900	49.39	ug/l	94
70) Styrene	10.89	104	281929	48.73	ug/l	98
71) Bromoform	10.88	173	84049	47.21	ug/l #	94
73) Isopropylbenzene	11.22	105	512825	47.75	ug/l	97
74) N-amyl acetate	11.45	43	103814	30.18	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	114003	48.67	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	92158	48.18	ug/l	93
77) Bromobenzene	11.59	156	150645	50.04	ug/l	93
78) n-propylbenzene	11.68	91	557774	45.27	ug/l	96
79) 2-Chlorotoluene	11.81	91	376324	49.59	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	426439	47.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	32947m	37.70	ug/l	
82) 4-Chlorotoluene	11.98	91	401394	47.21	ug/l	97
83) tert-Butylbenzene	12.21	119	396594	45.92	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	445919	48.16	ug/l	96
85) sec-Butylbenzene	12.38	105	452991	41.24	ug/l	95
86) p-Isopropyltoluene	12.54	119	393355	41.16	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	236585	45.81	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	241459	47.45	ug/l	99
89) n-Butylbenzene	12.91	91	332370	37.16	ug/l	97
90) Hexachloroethane	12.99	117	98527	45.38	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	236093	47.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23185	43.69	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	130032	43.32	ug/l	98
94) Hexachlorobutadiene	14.25	225	44331	28.83	ug/l	96
95) Naphthalene	14.52	128	279137	44.77	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	115484	42.59	ug/l	96

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

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