

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059514.D
 Acq On : 17 Jul 2018 18:28
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:14 PM

Quant Time: Jul 18 02:25:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	267702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	380614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	371362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	219874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	295291	73.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.16%	
35) Dibromofluoromethane	4.31	113	230557	69.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.50%	
50) Toluene-d8	7.72	98	561924	68.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.46%	
62) 4-Bromofluorobenzene	11.52	95	306404	70.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	214332	70.34	ug/l	99
3) Chloromethane	1.09	50	114289	66.54	ug/l	99
4) Vinyl Chloride	1.15	62	117116	65.46	ug/l	96
5) Bromomethane	1.35	94	82666	66.34	ug/l	100
6) Chloroethane	1.43	64	61730	65.94	ug/l	# 84
7) Trichlorofluoromethane	1.53	101	298879	72.78	ug/l	95
8) Diethyl Ether	1.71	74	53803	65.40	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	111316	57.07	ug/l	97
10) Methyl Iodide	1.97	142	218640	66.50	ug/l	98
11) Tert butyl alcohol	2.70	59	62542	333.71	ug/l	98
12) 1,1-Dichloroethene	1.86	96	127181	67.51	ug/l	98
13) Acrolein	2.10	56	25347	242.08	ug/l	94
14) Allyl chloride	2.20	41	156992	63.54	ug/l	99
15) Acrylonitrile	3.08	53	122079	352.99	ug/l	98
16) Acetone	2.34	43	232861	339.29	ug/l	97
17) Carbon Disulfide	1.88	76	328361	64.21	ug/l	98
18) Methyl Acetate	2.46	43	97917	69.49	ug/l	# 91
19) Methyl tert-butyl Ether	2.55	73	417628	67.77	ug/l	96
20) Methylene Chloride	2.32	84	123630m	50.31	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	116901	68.11	ug/l	92
22) Diisopropyl ether	2.93	45	466253	65.82	ug/l	98
23) Vinyl Acetate	3.35	43	1387003	336.95	ug/l	100
24) 1,1-Dichloroethane	3.01	63	297340	73.94	ug/l	98
25) 2-Butanone	4.53	43	322124	322.89	ug/l	98
26) 2,2-Dichloropropane	3.77	77	177988	65.95	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	144744	61.70	ug/l	97
28) Bromochloromethane	3.90	49	126509	67.85	ug/l	99
29) Tetrahydrofuran	4.27	42	139004	324.37	ug/l	98
30) Chloroform	4.05	83	410520	67.97	ug/l	97
31) Cyclohexane	3.87	56	150046m	66.06	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	265564	63.39	ug/l	93
36) 1,1-Dichloropropene	4.47	75	264427	68.22	ug/l	98
37) Ethyl Acetate	4.31	43	149230	62.90	ug/l	97
38) Carbon Tetrachloride	4.18	117	295428	65.73	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	189331	64.86	ug/l	96
40) Benzene	4.83	78	498672	66.21	ug/l	99
41) Methacrylonitrile	4.95	41	75533	66.04	ug/l #	87
42) 1,2-Dichloroethane	5.13	62	344932	71.54	ug/l	99
43) Isopropyl Acetate	7.13	43	254942	89.73	ug/l #	80
44) Trichloroethene	5.68	130	176251	64.92	ug/l	89
45) 1,2-Dichloropropane	6.41	63	144621	67.71	ug/l	97
46) Dibromomethane	6.27	93	134719	70.60	ug/l	96
47) Bromodichloromethane	6.56	83	331907	68.07	ug/l	98
48) Methyl methacrylate	6.89	41	148041	72.30	ug/l	99
49) 1,4-Dioxane	6.88	88	11658	1258.82	ug/l	97
51) 4-Methyl-2-Pentanone	8.42	43	683437	342.90	ug/l	99
52) Toluene	7.79	92	367800	67.91	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	301509	69.97	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	309134	69.14	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	146515	67.92	ug/l	95
56) Ethyl methacrylate	8.78	69	185507	68.28	ug/l	95
57) 1,3-Dichloropropane	9.02	76	257435	70.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	72656	320.27	ug/l	100
59) 2-Hexanone	9.65	43	533587	341.22	ug/l	95
60) Dibromochloromethane	8.88	129	253947	72.54	ug/l	99
61) 1,2-Dibromoethane	9.15	107	187624	71.87	ug/l	99
64) Tetrachloroethene	8.32	164	194102	66.29	ug/l	95
65) Chlorobenzene	9.95	112	463674	66.38	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	215413	68.12	ug/l	97
67) Ethyl Benzene	10.05	91	827328	66.39	ug/l	100
68) m/p-Xylenes	10.28	106	553131	123.92	ug/l	98
69) o-Xylene	10.84	106	299852	64.64	ug/l	92
70) Styrene	10.91	104	472168	64.34	ug/l	99
71) Bromoform	10.90	173	159817	69.32	ug/l #	100
73) Isopropylbenzene	11.23	105	923676	65.85	ug/l	99
74) N-amyl acetate	11.47	43	311488	62.58	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	207839	67.57	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	170675	67.30	ug/l	95
77) Bromobenzene	11.61	156	253637	64.17	ug/l	97
78) n-propylbenzene	11.70	91	1045956	64.41	ug/l	98
79) 2-Chlorotoluene	11.83	91	647142	65.94	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	748287	62.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	73517m	61.14	ug/l	
82) 4-Chlorotoluene	12.00	91	709003	62.35	ug/l	90
83) tert-Butylbenzene	12.22	119	734037	65.03	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	790005	65.58	ug/l	100
85) sec-Butylbenzene	12.40	105	944320	66.24	ug/l	99
86) p-Isopropyltoluene	12.55	119	814517	64.59	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	432143	63.85	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	438838	67.01	ug/l	96
89) n-Butylbenzene	12.93	91	772071	66.68	ug/l	97
90) Hexachloroethane	13.01	117	182950	64.44	ug/l	76
91) 1,2-Dichlorobenzene	13.03	146	422047	66.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	48808	71.47	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	272041	68.95	ug/l	96
94) Hexachlorobutadiene	14.26	225	134916	77.27	ug/l	99
95) Naphthalene	14.53	128	603132	71.84	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	249646	72.54	ug/l	96

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

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