

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060459.D
 Acq On : 5 Oct 2018 16:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/8/2018 9:31:23 AM

Quant Time: Oct 06 04:46:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	237524	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	398944	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	362568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	188099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	179678	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	4.28	113	187370	49.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	7.69	98	437816	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.49	95	203794	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	256928	50.374	ug/l	97
3) Chloromethane	1.13	50	159226	49.367	ug/l	99
4) Vinyl Chloride	1.18	62	171374	51.077	ug/l	99
5) Bromomethane	1.35	94	134789	51.864	ug/l	92
6) Chloroethane	1.43	64	89174	53.259	ug/l	96
7) Trichlorofluoromethane	1.54	101	406212	52.182	ug/l	99
8) Diethyl Ether	1.69	74	52890	49.577	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	189908	50.930	ug/l	99
10) Methyl Iodide	1.97	142	297040m	52.237	ug/l	
11) Tert butyl alcohol	2.67	59	59214	263.392	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	152487	52.926	ug/l	95
13) Acrolein	2.08	56	49594	274.308	ug/l	100
14) Allyl chloride	2.18	41	252345	54.661	ug/l	96
15) Acrylonitrile	3.05	53	111566	289.619	ug/l	87
16) Acetone	2.33	43	254343	340.843	ug/l #	90
17) Carbon Disulfide	1.89	76	445497	51.064	ug/l	97
18) Methyl Acetate	2.43	43	76258	54.762	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	359015	51.160	ug/l	98
20) Methylene Chloride	2.27	84	150201m	56.043	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	154532	53.704	ug/l	96
22) Diisopropyl ether	2.91	45	485867	57.982	ug/l	95
23) Vinyl Acetate	3.31	43	864783	259.799	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	321059	56.658	ug/l	99
25) 2-Butanone	4.48	43	244728	254.296	ug/l	93
26) 2,2-Dichloropropane	3.74	77	182522	56.870	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	169193	52.590	ug/l	91
28) Bromochloromethane	3.86	49	107995	51.711	ug/l	90
29) Tetrahydrofuran	4.23	42	102363	282.963	ug/l	97
30) Chloroform	4.01	83	366167	52.367	ug/l	95
31) Cyclohexane	3.84	56	208352	51.204	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	317118	54.501	ug/l	94
36) 1,1-Dichloropropene	4.43	75	249303	50.685	ug/l	96
37) Ethyl Acetate	4.27	43	92787	49.262	ug/l	94
38) Carbon Tetrachloride	4.15	117	350905	58.609	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	248203	51.473	ug/l	91
40) Benzene	4.79	78	503551	51.570	ug/l	95
41) Methacrylonitrile	4.90	41	47956	48.018	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	237550	50.994	ug/l	99
43) Isopropyl Acetate	7.09	43	105171	46.204	ug/l	90
44) Trichloroethene	5.66	130	158015	50.435	ug/l	92
45) 1,2-Dichloropropane	6.39	63	127752	49.128	ug/l	97
46) Dibromomethane	6.23	93	101173	48.392	ug/l	94
47) Bromodichloromethane	6.52	83	262429	50.682	ug/l	97
48) Methyl methacrylate	6.85	41	76127	46.591	ug/l	99
49) 1,4-Dioxane	6.84	88	16504	1171.469	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	388919	240.026	ug/l	99
52) Toluene	7.76	92	302682	45.638	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	194204	47.858	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	237862	50.154	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	105118	50.003	ug/l	96
56) Ethyl methacrylate	8.74	69	114778	48.048	ug/l	96
57) 1,3-Dichloropropane	8.98	76	175976	49.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	55833	228.817	ug/l	100
59) 2-Hexanone	9.61	43	276991	233.063	ug/l	97
60) Dibromochloromethane	8.84	129	168392	53.200	ug/l	95
61) 1,2-Dibromoethane	9.12	107	120302	52.298	ug/l	100
64) Tetrachloroethene	8.29	164	145767	50.575	ug/l	98
65) Chlorobenzene	9.93	112	376823	50.595	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157291	48.368	ug/l	97
67) Ethyl Benzene	10.02	91	704678	49.761	ug/l	99
68) m/p-Xylenes	10.25	106	483666	99.353	ug/l	99
69) o-Xylene	10.81	106	264599	49.865	ug/l	97
70) Styrene	10.88	104	370767	49.123	ug/l	98
71) Bromoform	10.87	173	85518	49.393	ug/l #	89
73) Isopropylbenzene	11.22	105	799514	53.983	ug/l	100
74) N-amyl acetate	11.45	43	158268	46.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	137722	51.005	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	105672	53.159	ug/l	95
77) Bromobenzene	11.58	156	170572	51.522	ug/l	96
78) n-propylbenzene	11.67	91	933171	51.974	ug/l	97
79) 2-Chlorotoluene	11.80	91	549745	52.343	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	665587	52.895	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	47827m	54.276	ug/l	
82) 4-Chlorotoluene	11.98	91	564498	52.530	ug/l	98
83) tert-Butylbenzene	12.20	119	658448	53.054	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	644634	51.658	ug/l	95
85) sec-Butylbenzene	12.38	105	902465	52.680	ug/l	99
86) p-Isopropyltoluene	12.53	119	709608	50.702	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	289468	46.465	ug/l	87
88) 1,4-Dichlorobenzene	12.64	146	313728	51.070	ug/l	97
89) n-Butylbenzene	12.91	91	780936	52.731	ug/l	100
90) Hexachloroethane	12.98	117	187507	51.836	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	301524	50.514	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	27650	52.822	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	228302	51.171	ug/l	94
94) Hexachlorobutadiene	14.24	225	165687	53.210	ug/l	96
95) Naphthalene	14.51	128	409540	51.340	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	219995	52.603	ug/l	98

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

