

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060559.D
 Acq On : 2 Nov 2018 12:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:35 PM

Quant Time: Nov 03 03:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	259585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	425797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	364025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	195129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	136007	35.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.88%	
35) Dibromofluoromethane	4.11	113	171534	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
50) Toluene-d8	7.56	98	479684	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	11.42	95	211110	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.96	85	131458	27.199	ug/l	100
3) Chloromethane	1.10	50	103979	35.695	ug/l	100
4) Vinyl Chloride	1.14	62	101620	33.868	ug/l	100
5) Bromomethane	1.33	94	58320	25.635	ug/l	100
6) Chloroethane	1.38	64	42063	27.511	ug/l	100
7) Trichlorofluoromethane	1.48	101	190641m	27.264	ug/l	
8) Diethyl Ether	1.63	74	33246	36.600	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	107032	30.752	ug/l	100
10) Methyl Iodide	1.90	142	180291	33.200	ug/l	100
11) Tert butyl alcohol	2.57	59	32769	180.558	ug/l	100
12) 1,1-Dichloroethene	1.78	96	89947	32.093	ug/l	100
13) Acrolein	2.00	56	21279	136.687	ug/l	100
14) Allyl chloride	2.10	41	163224	36.270	ug/l	100
15) Acrylonitrile	2.94	53	74750	191.737	ug/l	100
16) Acetone	2.23	43	142150	172.565	ug/l	100
17) Carbon Disulfide	1.83	76	254271m	32.532	ug/l	
18) Methyl Acetate	2.34	43	45348	37.839	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	199668	32.465	ug/l	100
20) Methylene Chloride	2.23	84	93361m	31.841	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	96787	33.727	ug/l	100
22) Diisopropyl ether	2.80	45	317094	38.890	ug/l	100
23) Vinyl Acetate	3.19	43	918797	285.907	ug/l	100
24) 1,1-Dichloroethane	2.87	63	194174	33.278	ug/l	100
25) 2-Butanone	4.34	43	289518	241.103	ug/l	100
26) 2,2-Dichloropropane	3.60	77	135729	37.676	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	186986	51.613	ug/l	100
28) Bromochloromethane	3.71	49	119040	53.749	ug/l	100
29) Tetrahydrofuran	4.08	42	108469	291.308	ug/l	100
30) Chloroform	3.85	83	298700	40.183	ug/l	100
31) Cyclohexane	3.68	56	252441	56.130	ug/l	100
32) 1,1,1-Trichloroethane	4.09	97	212833	35.391	ug/l	100
36) 1,1-Dichloropropene	4.28	75	230674	44.195	ug/l	100
37) Ethyl Acetate	4.11	43	104104	58.406	ug/l	100
38) Carbon Tetrachloride	3.99	117	191173	32.057	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	293029	53.509	ug/l	100
40) Benzene	4.63	78	566270	53.081	ug/l	100
41) Methacrylonitrile	4.75	41	60126	58.899	ug/l	100
42) 1,2-Dichloroethane	4.95	62	162681	35.370	ug/l	100
43) Isopropyl Acetate	6.96	43	124967	58.764	ug/l	100
44) Trichloroethene	5.50	130	172057	50.177	ug/l	100
45) 1,2-Dichloropropane	6.24	63	139125	52.203	ug/l	100
46) Dibromomethane	6.09	93	90769	45.145	ug/l	100
47) Bromodichloromethane	6.39	83	216123	42.425	ug/l	100
48) Methyl methacrylate	6.72	41	80965	56.334	ug/l	100
49) 1,4-Dioxane	6.71	88	17390	1240.138	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	427852	279.123	ug/l	100
52) Toluene	7.63	92	352785	51.530	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	182193	45.441	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	242728	49.961	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	97779	48.713	ug/l	100
56) Ethyl methacrylate	8.63	69	120048	52.824	ug/l	100
57) 1,3-Dichloropropane	8.85	76	172633	50.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.63	63	46302	202.748	ug/l	100
59) 2-Hexanone	9.49	43	304823	274.552	ug/l	100
60) Dibromochloromethane	8.71	129	145935	45.702	ug/l	100
61) 1,2-Dibromoethane	8.99	107	107334	46.394	ug/l	100
64) Tetrachloroethene	8.15	164	145375	47.990	ug/l	100
65) Chlorobenzene	9.80	112	369059	50.699	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	157286	47.550	ug/l	100
67) Ethyl Benzene	9.90	91	684768	49.417	ug/l	100
68) m/p-Xylenes	10.14	106	490938	102.551	ug/l	100
69) o-Xylene	10.72	106	276797	51.555	ug/l	100
70) Styrene	10.80	104	392719	51.680	ug/l	100
71) Bromoform	10.78	173	79612	47.264	ug/l	100
73) Isopropylbenzene	11.13	105	779337	51.637	ug/l	100
74) N-amyl acetate	11.38	43	197352	62.419	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	140496	55.624	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	66778	38.510	ug/l	100
77) Bromobenzene	11.50	156	165901	50.229	ug/l	100
78) n-propylbenzene	11.60	91	874017	49.143	ug/l	100
79) 2-Chlorotoluene	11.72	91	515824	48.709	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	621246	48.253	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	51385m	60.694	ug/l	
82) 4-Chlorotoluene	11.90	91	511687	46.799	ug/l	100
83) tert-Butylbenzene	12.14	119	650119	51.391	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	612627	46.839	ug/l	100
85) sec-Butylbenzene	12.31	105	894835	50.462	ug/l	100
86) p-Isopropyltoluene	12.46	119	740678	50.935	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	321240	48.661	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	315213	50.525	ug/l	100
89) n-Butylbenzene	12.85	91	732914	48.075	ug/l	100
90) Hexachloroethane	12.93	117	192927	51.477	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	308394	49.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24886	48.662	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	209401	45.703	ug/l	100
94) Hexachlorobutadiene	14.20	225	138177	43.090	ug/l	100
95) Naphthalene	14.47	128	411064	50.442	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	202924	46.657	ug/l	100

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

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