

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060562.D
 Acq On : 2 Nov 2018 13:57
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:38 PM

Quant Time: Nov 03 04:05:28 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	4.88	168	240576	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	419096	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	368887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	202778	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	360998	102.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.88%	
35) Dibromofluoromethane	4.12	113	425928	108.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	216.48%	
50) Toluene-d8	7.56	98	1173887	120.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	241.86%	
62) 4-Bromofluorobenzene	11.42	95	523666	118.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	236.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	345753	77.189	ug/l	97
3) Chloromethane	1.10	50	284879	105.522	ug/l	95
4) Vinyl Chloride	1.15	62	261355	93.986	ug/l	93
5) Bromomethane	1.33	94	143342	67.986	ug/l	99
6) Chloroethane	1.37	64	93207	65.778	ug/l	95
7) Trichlorofluoromethane	1.50	101	481779	74.344	ug/l	96
8) Diethyl Ether	1.63	74	84852	100.794	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	257060	79.692	ug/l	97
10) Methyl Iodide	1.89	142	446619	88.741	ug/l	97
11) Tert butyl alcohol	2.59	59	96953	576.423	ug/l #	78
12) 1,1-Dichloroethene	1.78	96	212834	81.938	ug/l	92
13) Acrolein	2.01	56	54850	380.173	ug/l	97
14) Allyl chloride	2.10	41	407299	97.657	ug/l	99
15) Acrylonitrile	2.96	53	195722	541.704	ug/l	98
16) Acetone	2.25	43	373071	488.681	ug/l	98
17) Carbon Disulfide	1.84	76	631002m	87.110	ug/l	
18) Methyl Acetate	2.35	43	139101	125.238	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	586758	102.943	ug/l	100
20) Methylene Chloride	2.24	84	229643m	84.510	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	243774	91.659	ug/l	95
22) Diisopropyl ether	2.81	45	835207	110.528	ug/l	98
23) Vinyl Acetate	3.19	43	2393459	803.633	ug/l	99
24) 1,1-Dichloroethane	2.88	63	464906	85.973	ug/l	97
25) 2-Butanone	4.34	43	746727	670.991	ug/l	99
26) 2,2-Dichloropropane	3.61	77	317788	95.184	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	492427	146.661	ug/l	96
28) Bromochloromethane	3.72	49	297479	144.930	ug/l	94
29) Tetrahydrofuran	4.08	42	311212	901.842	ug/l	99
30) Chloroform	3.86	83	736473	106.902	ug/l	100
31) Cyclohexane	3.70	56	625495	150.066	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	549249	98.547	ug/l	98
36) 1,1-Dichloropropene	4.29	75	587071	114.276	ug/l	97
37) Ethyl Acetate	4.12	43	281027	160.188	ug/l	87
38) Carbon Tetrachloride	3.99	117	521369m	88.825	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	662489	122.910	ug/l	96
40) Benzene	4.63	78	1373650	130.821	ug/l	99
41) Methacrylonitrile	4.75	41	161004	160.241	ug/l #	96
42) 1,2-Dichloroethane	4.95	62	453891	100.264	ug/l	97
43) Isopropyl Acetate	6.96	43	391616	187.098	ug/l	97
44) Trichloroethene	5.51	130	428009	126.816	ug/l	98
45) 1,2-Dichloropropane	6.24	63	379767	144.777	ug/l	97
46) Dibromomethane	6.10	93	266473	134.652	ug/l	98
47) Bromodichloromethane	6.39	83	607600	121.178	ug/l	97
48) Methyl methacrylate	6.72	41	238243	168.416	ug/l	98
49) 1,4-Dioxane	6.71	88	51141	3705.346	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	1200590	795.766	ug/l	95
52) Toluene	7.63	92	927174	137.594	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	492076	124.693	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	627510	131.226	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	304475	154.115	ug/l	97
56) Ethyl methacrylate	8.63	69	373669	167.052	ug/l	95
57) 1,3-Dichloropropane	8.85	76	534054	159.596	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.63	63	122928	546.885	ug/l	100
59) 2-Hexanone	9.50	43	889421	813.903	ug/l	95
60) Dibromochloromethane	8.73	129	425735	135.459	ug/l	98
61) 1,2-Dibromoethane	8.99	107	329560	144.726	ug/l	100
64) Tetrachloroethene	8.15	164	400145	130.353	ug/l	97
65) Chlorobenzene	9.81	112	1002524	135.905	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.94	131	402181	119.983	ug/l	96
67) Ethyl Benzene	9.91	91	1650393	117.534	ug/l	95
68) m/p-Xylenes	10.14	106	1259293	259.585	ug/l	89
69) o-Xylene	10.72	106	708956	130.307	ug/l	90
70) Styrene	10.80	104	1004941	130.503	ug/l	98
71) Bromoform	10.78	173	237317	139.033	ug/l	100
73) Isopropylbenzene	11.13	105	1799414	114.727	ug/l	95
74) N-amyl acetate	11.38	43	568229	172.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	368745	140.483	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	178965	99.313	ug/l	98
77) Bromobenzene	11.51	156	455243	132.632	ug/l	81
78) n-propylbenzene	11.61	91	2051488	110.996	ug/l	88
79) 2-Chlorotoluene	11.72	91	1217523	110.634	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	1459385	109.077	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	144410m	164.136	ug/l	
82) 4-Chlorotoluene	11.91	91	1324525	116.571	ug/l	89
83) tert-Butylbenzene	12.14	119	1460389	111.086	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	1489877	109.613	ug/l	96
85) sec-Butylbenzene	12.32	105	2022173	109.735	ug/l	90
86) p-Isopropyltoluene	12.46	119	1614251	106.822	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	789505	115.083	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	818402	126.232	ug/l	96
89) n-Butylbenzene	12.85	91	1572929	99.283	ug/l	93
90) Hexachloroethane	12.93	117	459091	117.875	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	766788	119.168	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	70843	133.302	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	517652	108.718	ug/l	99
94) Hexachlorobutadiene	14.20	225	336120	100.864	ug/l	99
95) Naphthalene	14.47	128	1158627	136.812	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	515945	114.152	ug/l	94

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

