

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061286.D
 Acq On : 8 Jan 2019 15:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:44:50 AM

Quant Time: Jan 09 06:17:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	230100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	389307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	354510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	175543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	51395	17.60	ug/l	0.00
Spiked Amount						
			Recovery	=	35.20%	
35) Dibromofluoromethane	4.12	113	59057	19.72	ug/l	0.00
Spiked Amount						
			Recovery	=	39.44%	
50) Toluene-d8	7.57	98	175600	19.76	ug/l	0.00
Spiked Amount						
			Recovery	=	39.52%	
62) 4-Bromofluorobenzene	11.41	95	75601	19.20	ug/l	0.00
Spiked Amount						
			Recovery	=	38.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.96	85	78024	17.660	ug/l 98
3) Chloromethane	1.09	50	70099	20.711	ug/l 98
4) Vinyl Chloride	1.14	62	62730	21.397	ug/l 100
5) Bromomethane	1.30	94	38749	19.333	ug/l 97
6) Chloroethane	1.37	64	25693	19.338	ug/l # 74
7) Trichlorofluoromethane	1.47	101	101877	19.311	ug/l 100
8) Diethyl Ether	1.64	74	14872	19.760	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	1.82	101	53317	20.228	ug/l 97
10) Methyl Iodide	1.86	142	82754	19.432	ug/l 98
11) Tert butyl alcohol	2.56	59	8986	72.909	ug/l # 91
12) 1,1-Dichloroethene	1.76	96	41708	18.825	ug/l 93
13) Acrolein	2.00	56	12378	107.297	ug/l 98
14) Allyl chloride	2.10	41	81991	26.768	ug/l 94
15) Acrylonitrile	2.94	53	30318	92.013	ug/l # 84
16) Acetone	2.24	43	56950	97.359	ug/l 93
17) Carbon Disulfide	1.79	76	140671	20.851	ug/l 96
18) Methyl Acetate	2.35	43	23638m	18.261	ug/l
19) Methyl tert-butyl Ether	2.44	73	83897	18.166	ug/l 98
20) Methylene Chloride	2.19	84	40818	15.036	ug/l 98
21) trans-1,2-Dichloroethene	2.32	96	45176	19.386	ug/l 98
22) Diisopropyl ether	2.80	45	150484	19.538	ug/l 96
23) Vinyl Acetate	3.20	43	220775	62.591	ug/l 100
24) 1,1-Dichloroethane	2.88	63	87562	19.391	ug/l 97
25) 2-Butanone	4.34	43	91574	83.396	ug/l 96
26) 2,2-Dichloropropane	3.61	77	58400	22.458	ug/l 99
27) cis-1,2-Dichloroethene	3.48	96	66549	19.435	ug/l 91
28) Bromochloromethane	3.73	49	38833	18.166	ug/l 96
29) Tetrahydrofuran	4.08	42	36849	86.311	ug/l 93
30) Chloroform	3.87	83	117302	18.571	ug/l 95
31) Cyclohexane	3.71	56	94474	19.739	ug/l 91
32) 1,1,1-Trichloroethane	4.11	97	90930	22.163	ug/l 96
36) 1,1-Dichloropropene	4.29	75	88134	19.222	ug/l 96
37) Ethyl Acetate	4.12	43	33016	18.035	ug/l 81
38) Carbon Tetrachloride	4.01	117	83650	22.788	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	108775	22.194	ug/l	96
40) Benzene	4.65	78	207745	19.964	ug/l	98
41) Methacrylonitrile	4.75	41	16410	15.764	ug/l #	84
42) 1,2-Dichloroethane	4.95	62	64624	18.562	ug/l	100
43) Isopropyl Acetate	6.96	43	40872	16.732	ug/l #	98
44) Trichloroethene	5.51	130	62154	19.189	ug/l	92
45) 1,2-Dichloropropane	6.24	63	50933	19.172	ug/l	99
46) Dibromomethane	6.10	93	31586	18.069	ug/l	91
47) Bromodichloromethane	6.39	83	76184	17.121	ug/l	95
48) Methyl methacrylate	6.73	41	28160	17.803	ug/l	92
49) 1,4-Dioxane	6.72	88	3344	305.120	ug/l #	83
51) 4-Methyl-2-Pentanone	8.27	43	147832	87.138	ug/l	93
52) Toluene	7.64	92	130799	19.251	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	59060	16.281	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	87137	18.900	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	37343	19.112	ug/l	97
56) Ethyl methacrylate	8.63	69	39454	18.270	ug/l	95
57) 1,3-Dichloropropane	8.86	76	63806	17.372	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.31	63	9030	34.434	ug/l	99
59) 2-Hexanone	9.50	43	111524	90.801	ug/l	98
60) Dibromochloromethane	8.72	129	44924	16.186	ug/l	95
61) 1,2-Dibromoethane	9.00	107	37392	17.731	ug/l	98
64) Tetrachloroethene	8.17	164	51656	19.013	ug/l	95
65) Chlorobenzene	9.81	112	141137	19.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	56052	18.934	ug/l	96
67) Ethyl Benzene	9.90	91	273138	20.612	ug/l	98
68) m/p-Xylenes	10.14	106	188597	38.998	ug/l	97
69) o-Xylene	10.72	106	104925	20.056	ug/l	96
70) Styrene	10.79	104	142888	19.841	ug/l	97
71) Bromoform	10.78	173	22136	16.061	ug/l #	97
73) Isopropylbenzene	11.13	105	306885	20.581	ug/l	97
74) N-amyl acetate	11.37	43	66285	17.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	46480	17.846	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35585	18.404	ug/l	94
77) Bromobenzene	11.50	156	61320	19.589	ug/l	98
78) n-propylbenzene	11.60	91	372937	20.983	ug/l	98
79) 2-Chlorotoluene	11.73	91	198258	19.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	241774	20.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	14836m	16.742	ug/l	
82) 4-Chlorotoluene	11.91	91	210052	20.186	ug/l	97
83) tert-Butylbenzene	12.13	119	245176	19.753	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	233737	19.504	ug/l	100
85) sec-Butylbenzene	12.31	105	342020	20.315	ug/l	100
86) p-Isopropyltoluene	12.47	119	278547	20.080	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	118657	19.644	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	113480	19.255	ug/l	99
89) n-Butylbenzene	12.85	91	294344	20.652	ug/l	96
90) Hexachloroethane	12.92	117	63158	18.454	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	110546	18.945	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7745	16.547	ug/l	91

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93) 1,2,4-Trichlorobenzene	14.21	180	77823	19.047	ug/l	93
94) Hexachlorobutadiene	14.20	225	48964	18.809	ug/l	96
95) Naphthalene	14.46	128	135028	17.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	69177	18.260	ug/l	97

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

