

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
 Data File : VF061267.D
 Acq On : 3 Jan 2019 16:14
 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
 1/4/2019 2:12:39 PM

Quant Time: Jan 04 02:58:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	195665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	347625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	320350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	153438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	183004	72.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.74%	
35) Dibromofluoromethane	4.12	113	195268	70.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.60%	
50) Toluene-d8	7.56	98	571581	72.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.40%	
62) 4-Bromofluorobenzene	11.41	95	246527	67.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	274130	64.534	ug/l	96
3) Chloromethane	1.10	50	199473	78.535	ug/l	97
4) Vinyl Chloride	1.14	62	172342	73.357	ug/l	95
5) Bromomethane	1.33	94	122731	75.593	ug/l	96
6) Chloroethane	1.38	64	83308	77.412	ug/l	95
7) Trichlorofluoromethane	1.48	101	329840	74.663	ug/l	98
8) Diethyl Ether	1.63	74	48982	81.606	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	161833	70.082	ug/l	97
10) Methyl Iodide	1.90	142	272656m	75.275	ug/l	
11) Tert butyl alcohol	2.57	59	37220	371.107	ug/l	93
12) 1,1-Dichloroethene	1.79	96	139284	80.468	ug/l	96
13) Acrolein	2.00	56	30170	401.020	ug/l	95
14) Allyl chloride	2.09	41	195143	98.806	ug/l	93
15) Acrylonitrile	2.94	53	95509	403.253	ug/l	98
16) Acetone	2.24	43	152233	318.336	ug/l	97
17) Carbon Disulfide	1.83	76	428352	80.736	ug/l	98
18) Methyl Acetate	2.35	43	80148m	77.046	ug/l	
19) Methyl tert-butyl Ether	2.43	73	277032	73.237	ug/l	97
20) Methylene Chloride	2.18	84	139507m	73.143	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	142637	75.770	ug/l	95
22) Diisopropyl ether	2.80	45	466119	77.074	ug/l	98
23) Vinyl Acetate	3.19	43	1085600	393.335	ug/l	99
24) 1,1-Dichloroethane	2.87	63	284207	79.045	ug/l	99
25) 2-Butanone	4.33	43	299190	367.754	ug/l	94
26) 2,2-Dichloropropane	3.60	77	155975	75.090	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	204285	71.740	ug/l	98
28) Bromochloromethane	3.72	49	128936	72.252	ug/l	89
29) Tetrahydrofuran	4.08	42	128438	387.015	ug/l	95
30) Chloroform	3.86	83	365692	68.730	ug/l	98
31) Cyclohexane	3.70	56	292007	77.533	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	281301	84.713	ug/l	99
36) 1,1-Dichloropropene	4.28	75	296653	70.557	ug/l	99
37) Ethyl Acetate	4.11	43	113345	66.769	ug/l	81
38) Carbon Tetrachloride	4.00	117	243376	75.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	326501	84.522	ug/l	97
40) Benzene	4.64	78	647649	71.147	ug/l	98
41) Methacrylonitrile	4.75	41	64664	74.331	ug/l	96
42) 1,2-Dichloroethane	4.94	62	231228	69.114	ug/l	98
43) Isopropyl Acetate	6.97	43	155506	76.723	ug/l #	97
44) Trichloroethene	5.51	130	195287	69.068	ug/l	99
45) 1,2-Dichloropropane	6.24	63	181600	73.767	ug/l	98
46) Dibromomethane	6.09	93	115687	73.566	ug/l	98
47) Bromodichloromethane	6.39	83	295839	72.679	ug/l	98
48) Methyl methacrylate	6.72	41	105365	74.506	ug/l	91
49) 1,4-Dioxane	6.71	88	16505	1637.120	ug/l	87
51) 4-Methyl-2-Pentanone	8.26	43	519395	374.722	ug/l	98
52) Toluene	7.63	92	414360	68.864	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	226968	68.417	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	298083	71.471	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	128219	71.723	ug/l	96
56) Ethyl methacrylate	8.62	69	134342	69.584	ug/l	93
57) 1,3-Dichloropropane	8.86	76	236211	72.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	91128	258.928	ug/l	95
59) 2-Hexanone	9.49	43	380846	382.209	ug/l	100
60) Dibromochloromethane	8.72	129	184765	73.219	ug/l	99
61) 1,2-Dibromoethane	8.99	107	135134	71.071	ug/l	96
64) Tetrachloroethene	8.16	164	179060	71.946	ug/l	99
65) Chlorobenzene	9.81	112	464865	69.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	190835	69.735	ug/l	98
67) Ethyl Benzene	9.90	91	857612	69.937	ug/l	95
68) m/p-Xylenes	10.14	106	577462	134.707	ug/l	95
69) o-Xylene	10.71	106	325541	67.860	ug/l	93
70) Styrene	10.79	104	433942	65.440	ug/l	100
71) Bromoform	10.78	173	86560	68.666	ug/l #	95
73) Isopropylbenzene	11.13	105	939269	70.976	ug/l	100
74) N-amyl acetate	11.37	43	235657	79.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	159576	73.475	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	115694	71.524	ug/l	97
77) Bromobenzene	11.50	156	200117	70.669	ug/l	90
78) n-propylbenzene	11.60	91	1037297	66.702	ug/l	96
79) 2-Chlorotoluene	11.72	91	618493	68.486	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	747877	69.140	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	50151m	71.011	ug/l	
82) 4-Chlorotoluene	11.91	91	631099	67.245	ug/l	99
83) tert-Butylbenzene	12.13	119	769498	69.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	750602	69.575	ug/l	96
85) sec-Butylbenzene	12.31	105	1034265	70.708	ug/l	96
86) p-Isopropyltoluene	12.46	119	825447	67.861	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	362209	67.501	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	375987	71.489	ug/l	98
89) n-Butylbenzene	12.84	91	857415	68.251	ug/l	97
90) Hexachloroethane	12.92	117	214416	71.418	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	350012	69.286	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	29633	75.122	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	248888	69.133	ug/l	96
94) Hexachlorobutadiene	14.20	225	163666	71.409	ug/l	97
95) Naphthalene	14.46	128	503009	77.331	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	247242	75.072	ug/l	96

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

