

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061269.D
 Acq On : 3 Jan 2019 17:11
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:46 PM

Quant Time: Jan 04 03:03:41 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	186275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	338007	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	319697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	156756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	368393	154.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.18%	
35) Dibromofluoromethane	4.13	113	383831	142.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.24%	
50) Toluene-d8	7.56	98	1089901	141.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.18%	
62) 4-Bromofluorobenzene	11.41	95	483643	137.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	530299	131.133	ug/l	96
3) Chloromethane	1.10	50	394388	163.104	ug/l	93
4) Vinyl Chloride	1.14	62	341705	152.777	ug/l	99
5) Bromomethane	1.32	94	225121	145.647	ug/l	98
6) Chloroethane	1.38	64	142907	139.488	ug/l	99
7) Trichlorofluoromethane	1.48	101	631358	150.119	ug/l	97
8) Diethyl Ether	1.63	74	87056	152.350	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	290075	131.950	ug/l	99
10) Methyl Iodide	1.91	142	519644m	150.696	ug/l	
11) Tert butyl alcohol	2.58	59	76264	798.731	ug/l	97
12) 1,1-Dichloroethene	1.79	96	245440	148.944	ug/l	96
13) Acrolein	2.00	56	61983	865.409	ug/l	94
14) Allyl chloride	2.09	41	363729	193.448	ug/l	98
15) Acrylonitrile	2.94	53	201224	892.425	ug/l	98
16) Acetone	2.24	43	293763	645.257	ug/l	98
17) Carbon Disulfide	1.83	76	775868	153.608	ug/l	99
18) Methyl Acetate	2.35	43	138915	140.270	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	557970	154.943	ug/l	99
20) Methylene Chloride	2.18	84	255533m	140.729	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	275057	153.478	ug/l	98
22) Diisopropyl ether	2.80	45	958557	166.489	ug/l	97
23) Vinyl Acetate	3.19	43	2043202	777.611	ug/l	98
24) 1,1-Dichloroethane	2.87	63	543276	158.715	ug/l	100
25) 2-Butanone	4.33	43	579015	747.581	ug/l	93
26) 2,2-Dichloropropane	3.60	77	288892	146.091	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	410052	151.259	ug/l	99
28) Bromochloromethane	3.72	49	240293	141.440	ug/l	98
29) Tetrahydrofuran	4.08	42	242481	767.485	ug/l	97
30) Chloroform	3.87	83	722623	142.661	ug/l	98
31) Cyclohexane	3.69	56	533920	148.912	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	510858	161.598	ug/l	99
36) 1,1-Dichloropropene	4.28	75	556291	136.074	ug/l	98
37) Ethyl Acetate	4.12	43	224747	136.161	ug/l #	74
38) Carbon Tetrachloride	4.00	117	465115	147.514	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	598542	159.354	ug/l	95
40) Benzene	4.64	78	1226794	138.604	ug/l	96
41) Methacrylonitrile	4.76	41	121983	144.209	ug/l	98
42) 1,2-Dichloroethane	4.95	62	451502	138.795	ug/l	96
43) Isopropyl Acetate	6.97	43	333763	169.357	ug/l	99
44) Trichloroethene	5.51	130	382024	138.957	ug/l	96
45) 1,2-Dichloropropane	6.25	63	335572	140.190	ug/l	99
46) Dibromomethane	6.09	93	229515	150.102	ug/l	94
47) Bromodichloromethane	6.39	83	562891	142.221	ug/l	98
48) Methyl methacrylate	6.72	41	210738	153.257	ug/l	96
49) 1,4-Dioxane	6.71	88	27442	2799.406	ug/l	94
51) 4-Methyl-2-Pentanone	8.27	43	999650	741.728	ug/l	97
52) Toluene	7.63	92	791283	135.247	ug/l	90
53) t-1,3-Dichloropropene	8.29	75	448204	138.950	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	567964	140.056	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	254222	146.252	ug/l	97
56) Ethyl methacrylate	8.62	69	300581	160.120	ug/l	92
57) 1,3-Dichloropropane	8.86	76	484784	153.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	188682	551.369	ug/l #	88
59) 2-Hexanone	9.50	43	721900	745.100	ug/l	96
60) Dibromochloromethane	8.72	129	360941	147.104	ug/l	94
61) 1,2-Dibromoethane	9.00	107	271160	146.669	ug/l	97
64) Tetrachloroethene	8.16	164	329629	132.715	ug/l	98
65) Chlorobenzene	9.81	112	893920	133.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	366262	134.113	ug/l	98
67) Ethyl Benzene	9.91	91	1575558	128.746	ug/l	94
68) m/p-Xylenes	10.14	106	1082661	253.073	ug/l	89
69) o-Xylene	10.72	106	611865	127.805	ug/l	95
70) Styrene	10.79	104	851226	128.630	ug/l	99
71) Bromoform	10.78	173	186030	147.874	ug/l #	97
73) Isopropylbenzene	11.13	105	1701227	125.832	ug/l	97
74) N-amyl acetate	11.38	43	463393	153.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	315098	142.012	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	244130	147.731	ug/l	95
77) Bromobenzene	11.50	156	388371	134.245	ug/l	89
78) n-propylbenzene	11.60	91	1960772	123.416	ug/l	89
79) 2-Chlorotoluene	11.73	91	1155407	125.230	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	1373328	124.274	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.88	75	128611m	178.252	ug/l	
82) 4-Chlorotoluene	11.91	91	1228397	128.118	ug/l	93
83) tert-Butylbenzene	12.13	119	1318525	116.047	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	1326488	120.352	ug/l	91
85) sec-Butylbenzene	12.31	105	1887688	126.321	ug/l	91
86) p-Isopropyltoluene	12.46	119	1427797	114.897	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	651832	118.904	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	705692	131.338	ug/l	96
89) n-Butylbenzene	12.85	91	1470761	114.597	ug/l	93
90) Hexachloroethane	12.92	117	423649	138.123	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	674309	130.656	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	64846	160.911	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	470536	127.933	ug/l	98
94) Hexachlorobutadiene	14.20	225	314527	134.326	ug/l	97
95) Naphthalene	14.46	128	1021199	153.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	472463	140.421	ug/l	99

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

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