

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062165.D
 Acq On : 4 Apr 2019 19:30
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 05 05:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	199792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	342416	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	284808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	12078	7.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.68%	
35) Dibromofluoromethane	4.09	113	12931	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	7.53	98	37378	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.39	95	15608	5.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.96	85	16234	6.239	ug/l	87
3) Chloromethane	1.09	50	13734	5.224	ug/l	97
4) Vinyl Chloride	1.13	62	14695	6.000	ug/l	90
5) Bromomethane	1.35	94	14436m	8.077	ug/l	
6) Chloroethane	1.39	64	7778	6.193	ug/l	88
7) Trichlorofluoromethane	1.53	101	21318m	6.969	ug/l	
8) Diethyl Ether	1.62	74	4392	6.467	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	13895	6.838	ug/l #	81
10) Methyl Iodide	1.92	142	22435m	5.828	ug/l	
11) Tert butyl alcohol	2.54	59	2695	31.889	ug/l #	82
12) 1,1-Dichloroethene	1.79	96	13469m	6.998	ug/l	
13) Acrolein	1.99	56	2557	25.640	ug/l	90
14) Allyl chloride	2.08	41	15343	7.136	ug/l #	94
15) Acrylonitrile	2.91	53	9719	33.763	ug/l #	60
16) Acetone	2.24	43	11419	33.804	ug/l	92
17) Carbon Disulfide	1.81	76	38661m	6.567	ug/l	
18) Methyl Acetate	2.33	43	8146	10.476	ug/l #	84
19) Methyl tert-butyl Ether	2.41	73	21416	6.813	ug/l	97
20) Methylene Chloride	2.17	84	21050m	9.646	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	11174	5.983	ug/l	85
22) Diisopropyl ether	2.79	45	36030	6.526	ug/l #	93
23) Vinyl Acetate	3.16	43	81975	35.554	ug/l #	95
24) 1,1-Dichloroethane	2.86	63	20876	6.313	ug/l #	98
25) 2-Butanone	4.31	43	21998	32.936	ug/l #	89
26) 2,2-Dichloropropane	3.58	77	12196	8.704	ug/l	80
27) cis-1,2-Dichloroethene	3.45	96	14501	5.872	ug/l	87
28) Bromochloromethane	3.68	49	8048	5.798	ug/l #	67
29) Tetrahydrofuran	4.07	42	9466	32.710	ug/l #	60
30) Chloroform	3.83	83	25112	7.038	ug/l	93
31) Cyclohexane	3.65	56	22409m	6.626	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	16565	7.255	ug/l #	87
36) 1,1-Dichloropropene	4.24	75	20088	6.023	ug/l	93
37) Ethyl Acetate	4.10	43	10436	7.205	ug/l #	79
38) Carbon Tetrachloride	3.97	117	15064	6.491	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	19962	5.388	ug/l	97
40) Benzene	4.60	78	45787	5.306	ug/l	96
41) Methacrylonitrile	4.72	41	6518	8.466	ug/l #	74
42) 1,2-Dichloroethane	4.90	62	15284	6.912	ug/l	97
43) Isopropyl Acetate	6.93	43	9243	5.361	ug/l #	80
44) Trichloroethene	5.47	130	12440	4.702	ug/l	55
45) 1,2-Dichloropropane	6.21	63	9418	4.541	ug/l #	85
46) Dibromomethane	6.07	93	7218	5.624	ug/l #	85
47) Bromodichloromethane	6.35	83	20871	7.111	ug/l #	83
48) Methyl methacrylate	6.70	41	9558	9.207	ug/l #	83
49) 1,4-Dioxane	6.69	88	1007	119.870	ug/l #	1
51) 4-Methyl-2-Pentanone	8.23	43	42755	36.199	ug/l	97
52) Toluene	7.59	92	28439	5.588	ug/l	89
53) t-1,3-Dichloropropene	8.26	75	15961	6.870	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	18355	5.708	ug/l	91
55) 1,1,2-Trichloroethane	8.46	97	8185	5.728	ug/l #	81
56) Ethyl methacrylate	8.60	69	11136	6.405	ug/l #	78
57) 1,3-Dichloropropane	8.82	76	13511	5.700	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.26	63	6440	24.667	ug/l #	71
59) 2-Hexanone	9.46	43	30408	35.367	ug/l	97
60) Dibromochloromethane	8.69	129	10149	5.041	ug/l	81
61) 1,2-Dibromoethane	8.96	107	7786m	5.112	ug/l	
64) Tetrachloroethene	8.13	164	10294	4.693	ug/l #	69
65) Chlorobenzene	9.77	112	29473	5.481	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	9.91	131	12413	5.657	ug/l	90
67) Ethyl Benzene	9.88	91	59233	6.192	ug/l	95
68) m/p-Xylenes	10.10	106	42639	11.979	ug/l	98
69) o-Xylene	10.69	106	18822	5.162	ug/l	81
70) Styrene	10.76	104	32232	5.726	ug/l	97
71) Bromoform	10.75	173	5505	4.886	ug/l #	77
73) Isopropylbenzene	11.10	105	60516	5.986	ug/l	89
74) N-amyl acetate	11.35	43	16496	6.726	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.68	83	9372	5.516	ug/l	93
76) 1,2,3-Trichloropropane	11.77	75	7201	5.823	ug/l	75
77) Bromobenzene	11.47	156	13332	5.473	ug/l	93
78) n-propylbenzene	11.57	91	80180	6.747	ug/l	94
79) 2-Chlorotoluene	11.70	91	40495	6.148	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	52388	6.198	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.85	75	2160	4.257	ug/l #	86
82) 4-Chlorotoluene	11.88	91	43004	6.289	ug/l	96
83) tert-Butylbenzene	12.11	119	51780	5.907	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	51443	6.223	ug/l	99
85) sec-Butylbenzene	12.29	105	69230	6.130	ug/l	99
86) p-Isopropyltoluene	12.44	119	58868	5.915	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	24036	5.229	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	24000	5.419	ug/l	92
89) n-Butylbenzene	12.82	91	57990	6.143	ug/l	90
90) Hexachloroethane	12.90	117	12177	5.241	ug/l	85
91) 1,2-Dichlorobenzene	12.93	146	22933	5.385	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.63	75	2274	8.413	ug/l #	69

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93) 1,2,4-Trichlorobenzene	14.18	180	17431	5.811	ug/l	84
94) Hexachlorobutadiene	14.17	225	10745	5.423	ug/l	87
95) Naphthalene	14.44	128	27638	5.386	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	13418	4.879	ug/l	85

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

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