

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062283.D
 Acq On : 24 Apr 2019 16:08
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:02 AM

Quant Time: Apr 25 08:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	478171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	689101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	526668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	273937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	365736	94.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.64%	
35) Dibromofluoromethane	4.31	113	460473	87.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.60%	
50) Toluene-d8	7.73	98	1155221	92.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.50%	
62) 4-Bromofluorobenzene	11.50	95	452094	85.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	514986	87.053	ug/l	98
3) Chloromethane	1.15	50	443043	89.426	ug/l	93
4) Vinyl Chloride	1.19	62	420664	90.510	ug/l	95
5) Bromomethane	1.40	94	276187	88.044	ug/l	90
6) Chloroethane	1.44	64	184030	90.370	ug/l	99
7) Trichlorofluoromethane	1.56	101	684815	93.406	ug/l	90
8) Diethyl Ether	1.71	74	120055	91.111	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	430354	93.646	ug/l	98
10) Methyl Iodide	1.99	142	748865	93.618	ug/l	100
11) Tert butyl alcohol	2.72	59	115924	502.129	ug/l	99
12) 1,1-Dichloroethene	1.87	96	377262	89.464	ug/l	99
13) Acrolein	2.11	56	109052	713.228	ug/l	100
14) Allyl chloride	2.21	41	399213	62.793	ug/l #	70
15) Acrylonitrile	3.09	53	300177	449.569	ug/l	99
16) Acetone	2.35	43	393320	454.021	ug/l	100
17) Carbon Disulfide	1.92	76	983137	89.913	ug/l	98
18) Methyl Acetate	2.47	43	157580	73.363	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	728364	93.745	ug/l	99
20) Methylene Chloride	2.34	84	347503m	63.405	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	381347	94.154	ug/l	99
22) Diisopropyl ether	2.94	45	1109868	91.719	ug/l #	97
23) Vinyl Acetate	3.36	43	2422874	462.155	ug/l	98
24) 1,1-Dichloroethane	3.02	63	646930	95.301	ug/l	98
25) 2-Butanone	4.54	43	641853	467.479	ug/l	99
26) 2,2-Dichloropropane	3.78	77	313222	88.348	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	490568	94.687	ug/l	96
28) Bromochloromethane	3.91	49	245945	82.846	ug/l #	95
29) Tetrahydrofuran	4.29	42	280990	469.538	ug/l	97
30) Chloroform	4.06	83	817512	96.552	ug/l	98
31) Cyclohexane	3.88	56	609706	92.851	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	638170	101.207	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	590869	90.279	ug/l	98
37) Ethyl Acetate	4.31	43	244723	91.067	ug/l	87
38) Carbon Tetrachloride	4.20	117	580522m	90.777	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	677194	87.801	ug/l	98
40) Benzene	4.84	78	1426399	90.357	ug/l	99
41) Methacrylonitrile	4.95	41	138941	92.564	ug/l	92
42) 1,2-Dichloroethane	5.14	62	473474	97.667	ug/l	99
43) Isopropyl Acetate	7.12	43	275528	97.210	ug/l #	100
44) Trichloroethene	5.69	130	474318	88.838	ug/l	99
45) 1,2-Dichloropropane	6.42	63	318610	91.624	ug/l	97
46) Dibromomethane	6.27	93	242094	96.109	ug/l	99
47) Bromodichloromethane	6.56	83	552022	93.087	ug/l	97
48) Methyl methacrylate	6.89	41	183166	94.180	ug/l	100
49) 1,4-Dioxane	6.88	88	40349	1812.725	ug/l	98
51) 4-Methyl-2-Pentanone	8.42	43	935116	431.190	ug/l	99
52) Toluene	7.79	92	802338	88.615	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	402818	93.272	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	521981	93.079	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	254703	102.924	ug/l	94
56) Ethyl methacrylate	8.77	69	263337	95.190	ug/l	99
57) 1,3-Dichloropropane	9.01	76	374522	96.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	404968	473.854	ug/l	99
59) 2-Hexanone	9.63	43	619757	293.046	ug/l	98
60) Dibromochloromethane	8.87	129	408173	102.360	ug/l	95
61) 1,2-Dibromoethane	9.14	107	283123	98.178	ug/l	96
64) Tetrachloroethene	8.32	164	385800	85.224	ug/l	97
65) Chlorobenzene	9.94	112	878618	89.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	401228	85.217	ug/l	99
67) Ethyl Benzene	10.04	91	1441931	83.218	ug/l	97
68) m/p-Xylenes	10.27	106	1129124	176.487	ug/l	90
69) o-Xylene	10.83	106	619236	86.225	ug/l	89
70) Styrene	10.90	104	901162	86.736	ug/l	98
71) Bromoform	10.89	173	239790	93.835	ug/l #	100
73) Isopropylbenzene	11.22	105	1727051	88.307	ug/l	94
74) N-amyl acetate	11.45	43	400453	90.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	283530	96.945	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	200587	95.042	ug/l #	100
77) Bromobenzene	11.59	156	445784	94.510	ug/l	99
78) n-propylbenzene	11.68	91	1742604	85.624	ug/l	96
79) 2-Chlorotoluene	11.81	91	1079020	89.208	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1371660	83.824	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	85999m	70.172	ug/l	
82) 4-Chlorotoluene	11.98	91	1054117	87.942	ug/l	95
83) tert-Butylbenzene	12.20	119	1399371	81.562	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	1331287	82.729	ug/l	96
85) sec-Butylbenzene	12.38	105	1790984	84.090	ug/l	97
86) p-Isopropyltoluene	12.53	119	1573457	82.994	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	737710	85.953	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	705603	87.674	ug/l	97
89) n-Butylbenzene	12.90	91	1355148	76.648	ug/l	97
90) Hexachloroethane	12.98	117	419204	89.122	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	694211	84.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60831	102.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	604969	82.758	ug/l	98
94) Hexachlorobutadiene	14.23	225	451860	87.088	ug/l	99
95) Naphthalene	14.50	128	1055980	97.288	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	614904	91.392	ug/l	97

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

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