

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062737.D
 Acq On : 23 May 2019 20:31
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:16:23 AM

Quant Time: May 24 03:31:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	801922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1280009	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1001114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	475502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	234415	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	
35) Dibromofluoromethane	4.32	113	428724	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
50) Toluene-d8	7.72	98	1094621	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.50	95	380089	42.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	455680	41.756	ug/l	96
3) Chloromethane	1.15	50	404999	40.305	ug/l	98
4) Vinyl Chloride	1.19	62	400691	43.320	ug/l	99
5) Bromomethane	1.40	94	243876	48.196	ug/l	98
6) Chloroethane	1.45	64	167373	49.270	ug/l	92
7) Trichlorofluoromethane	1.56	101	582569	46.908	ug/l	89
8) Diethyl Ether	1.71	74	120129	48.825	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	350813	44.361	ug/l	98
10) Methyl Iodide	1.99	142	745084	47.962	ug/l	96
11) Tert butyl alcohol	2.70	59	80947	216.363	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	352353	48.912	ug/l	95
13) Acrolein	2.11	56	66987	171.527	ug/l	93
14) Allyl chloride	2.21	41	289735	44.438	ug/l	98
15) Acrylonitrile	3.09	53	199773	189.297	ug/l	98
16) Acetone	2.36	43	304623	207.206	ug/l	94
17) Carbon Disulfide	1.91	76	917029	42.948	ug/l	98
18) Methyl Acetate	2.47	43	93399	40.428	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	603634	46.873	ug/l	99
20) Methylene Chloride	2.35	84	336657m	45.686	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	342921	48.702	ug/l	88
22) Diisopropyl ether	2.95	45	780287	48.524	ug/l	99
23) Vinyl Acetate	3.35	43	2513547	231.716	ug/l	99
24) 1,1-Dichloroethane	3.03	63	558655	47.357	ug/l	98
25) 2-Butanone	4.53	43	706337	224.880	ug/l	100
26) 2,2-Dichloropropane	3.78	77	315303	46.714	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	597887	51.621	ug/l	94
28) Bromochloromethane	3.91	49	268454	40.576	ug/l	95
29) Tetrahydrofuran	4.28	42	280868	220.976	ug/l	95
30) Chloroform	4.06	83	827640	50.532	ug/l	99
31) Cyclohexane	3.89	56	752857	47.530	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	531294	48.844	ug/l	99
36) 1,1-Dichloropropene	4.48	75	627790	47.864	ug/l	98
37) Ethyl Acetate	4.32	43	240167	44.846	ug/l #	80
38) Carbon Tetrachloride	4.20	117	484985	49.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	860658	54.534	ug/l	98
40) Benzene	4.83	78	1896547	53.077	ug/l	98
41) Methacrylonitrile	4.95	41	136371	48.571	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	360574	50.603	ug/l	97
43) Isopropyl Acetate	7.13	43	321955	46.404	ug/l #	94
44) Trichloroethene	5.70	130	539269	53.698	ug/l	94
45) 1,2-Dichloropropane	6.42	63	471224	52.242	ug/l	99
46) Dibromomethane	6.28	93	274541	52.666	ug/l	95
47) Bromodichloromethane	6.56	83	562625	51.989	ug/l	98
48) Methyl methacrylate	6.89	41	188314	51.929	ug/l	96
49) 1,4-Dioxane	6.89	88	46933	1010.471	ug/l #	92
51) 4-Methyl-2-Pentanone	8.41	43	1167852	246.257	ug/l	100
52) Toluene	7.79	92	1029831	54.955	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	476171	53.782	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	667895	53.890	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	298940	53.878	ug/l	96
56) Ethyl methacrylate	8.76	69	343329	51.938	ug/l	96
57) 1,3-Dichloropropane	9.01	76	516683	54.671	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	571228	265.481	ug/l	99
59) 2-Hexanone	9.63	43	796651	258.823	ug/l	99
60) Dibromochloromethane	8.87	129	405117	56.021	ug/l	100
61) 1,2-Dibromoethane	9.15	107	334984	56.841	ug/l	99
64) Tetrachloroethene	8.32	164	413739	52.167	ug/l	97
65) Chlorobenzene	9.95	112	1070774	54.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	409815	51.917	ug/l	95
67) Ethyl Benzene	10.04	91	1837107	53.782	ug/l	98
68) m/p-Xylenes	10.27	106	1386167	107.971	ug/l	98
69) o-Xylene	10.82	106	715613	54.116	ug/l	98
70) Styrene	10.90	104	1081472	53.807	ug/l	98
71) Bromoform	10.88	173	215583	54.531	ug/l #	98
73) Isopropylbenzene	11.22	105	1843782	54.102	ug/l	98
74) N-amyl acetate	11.45	43	488135	57.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	358305	51.446	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235428	51.446	ug/l	94
77) Bromobenzene	11.58	156	455107	53.724	ug/l	94
78) n-propylbenzene	11.68	91	2084147	51.674	ug/l	100
79) 2-Chlorotoluene	11.80	91	1208611	53.172	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	1482428	54.248	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	111741m	54.932	ug/l	
82) 4-Chlorotoluene	11.98	91	1256687	56.065	ug/l	98
83) tert-Butylbenzene	12.20	119	1517427	54.732	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1434350	54.231	ug/l	100
85) sec-Butylbenzene	12.37	105	1984816	53.345	ug/l	97
86) p-Isopropyltoluene	12.53	119	1633154	52.084	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	790488	51.578	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	742354	51.615	ug/l	99
89) n-Butylbenzene	12.90	91	1565588	50.640	ug/l	99
90) Hexachloroethane	12.98	117	406803	54.082	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	699032	51.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	42447	51.088	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	493856	50.502	ug/l	98
94) Hexachlorobutadiene	14.23	225	353367	51.779	ug/l	97
95) Naphthalene	14.50	128	840324	47.301	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	450180	48.601	ug/l	97

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

