

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062084.D
 Acq On : 22 Mar 2019 15:56
 Operator : VA/AP
 Sample : VF0322SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:16 AM

Quant Time: Mar 23 06:29:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	271220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	429332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	351709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	189068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	106314	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	4.15	113	150438	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.58	98	448767	51.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.44	95	173958	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	74985	21.581	ug/l	96
3) Chloromethane	1.10	50	76613	21.073	ug/l	97
4) Vinyl Chloride	1.14	62	72031	21.420	ug/l	99
5) Bromomethane	1.32	94	46427	19.206	ug/l	91
6) Chloroethane	1.40	64	36073	21.309	ug/l	98
7) Trichlorofluoromethane	1.49	101	86531	21.306	ug/l	98
8) Diethyl Ether	1.64	74	18071	19.479	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	56170	20.272	ug/l	91
10) Methyl Iodide	1.93	142	108178m	20.545	ug/l	
11) Tert butyl alcohol	2.60	59	11780	106.127	ug/l	95
12) 1,1-Dichloroethene	1.81	96	53003	20.274	ug/l	93
13) Acrolein	2.02	56	16221	121.527	ug/l	93
14) Allyl chloride	2.12	41	65182	23.353	ug/l	92
15) Acrylonitrile	2.98	53	39682	101.664	ug/l	89
16) Acetone	2.26	43	42831	100.877	ug/l	94
17) Carbon Disulfide	1.82	76	164296	20.609	ug/l	100
18) Methyl Acetate	2.37	43	21954	21.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	85608	20.719	ug/l #	90
20) Methylene Chloride	2.20	84	62938m	22.914	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	57265	22.765	ug/l	98
22) Diisopropyl ether	2.82	45	156786	21.424	ug/l	95
23) Vinyl Acetate	3.22	43	331037	110.483	ug/l	99
24) 1,1-Dichloroethane	2.90	63	91884	20.937	ug/l	98
25) 2-Butanone	4.37	43	89755	101.261	ug/l	99
26) 2,2-Dichloropropane	3.63	77	38610	21.699	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	64252	19.276	ug/l	99
28) Bromochloromethane	3.75	49	41027	22.881	ug/l	91
29) Tetrahydrofuran	4.12	42	41878	108.666	ug/l	95
30) Chloroform	3.90	83	100573	21.685	ug/l	99
31) Cyclohexane	3.72	56	95341m	20.801	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	59452	21.073	ug/l	94
36) 1,1-Dichloropropene	4.32	75	82872	20.265	ug/l	99
37) Ethyl Acetate	4.15	43	34611	19.366	ug/l #	98
38) Carbon Tetrachloride	4.02	117	57321	20.566	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.49	83	98584	20.771	ug/l	94
40) Benzene	4.67	78	220627	20.125	ug/l	100
41) Methacrylonitrile	4.77	41	18315	19.368	ug/l #	87
42) 1,2-Dichloroethane	4.98	62	52023	20.067	ug/l	100
43) Isopropyl Acetate	6.99	43	42525	19.648	ug/l #	96
44) Trichloroethene	5.54	130	68964	20.576	ug/l	96
45) 1,2-Dichloropropane	6.27	63	52279	19.994	ug/l	98
46) Dibromomethane	6.12	93	29382	18.378	ug/l	91
47) Bromodichloromethane	6.42	83	68922	19.463	ug/l #	91
48) Methyl methacrylate	6.75	41	23980	19.459	ug/l	95
49) 1,4-Dioxane	6.75	88	4655	430.489	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	149793	103.403	ug/l	95
52) Toluene	7.66	92	128474	20.233	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	57020	20.511	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	78163	19.651	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	32717	18.140	ug/l	96
56) Ethyl methacrylate	8.65	69	42536	19.775	ug/l	92
57) 1,3-Dichloropropane	8.88	76	57519	19.215	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	30308	92.855	ug/l	98
59) 2-Hexanone	9.52	43	108214	101.924	ug/l	94
60) Dibromochloromethane	8.74	129	48234	19.237	ug/l	98
61) 1,2-Dibromoethane	9.02	107	37419	19.446	ug/l	99
64) Tetrachloroethene	8.18	164	53430	19.663	ug/l	97
65) Chlorobenzene	9.83	112	133502	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.96	131	54599	20.655	ug/l	92
67) Ethyl Benzene	9.93	91	239359	20.915	ug/l	99
68) m/p-Xylenes	10.16	106	175340	40.992	ug/l	95
69) o-Xylene	10.74	106	95086	21.224	ug/l	95
70) Styrene	10.81	104	141394	20.830	ug/l	96
71) Bromoform	10.79	173	25319	18.726	ug/l	95
73) Isopropylbenzene	11.15	105	266660	20.044	ug/l	97
74) N-amyl acetate	11.40	43	65880	20.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	44633	19.539	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	28645	17.818	ug/l	96
77) Bromobenzene	11.51	156	61513	18.925	ug/l	85
78) n-propylbenzene	11.61	91	321497	20.811	ug/l	99
79) 2-Chlorotoluene	11.74	91	176440	20.548	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	229287	20.953	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.89	75	12869m	19.645	ug/l	
82) 4-Chlorotoluene	11.92	91	176169	20.010	ug/l	100
83) tert-Butylbenzene	12.15	119	239397	20.898	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	219686	20.478	ug/l	99
85) sec-Butylbenzene	12.32	105	310027	20.920	ug/l	99
86) p-Isopropyltoluene	12.48	119	268616	20.922	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	124238	20.573	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	121654	20.645	ug/l	98
89) n-Butylbenzene	12.87	91	255627	20.869	ug/l	95
90) Hexachloroethane	12.93	117	61708	20.185	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	120721	21.290	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	6603	19.077	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82831	20.959	µg/l	99
94) Hexachlorobutadiene	14.21	225	52627	20.028	µg/l	95
95) Naphthalene	14.47	128	138953	20.064	µg/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	72707	19.654	µg/l	97

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

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