

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062196.D
 Acq On : 17 Apr 2019 20:33
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF041719

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:38 AM

Quant Time: Apr 18 08:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	382894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	553137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	435385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	222732	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	174206	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
35) Dibromofluoromethane	4.29	113	226577	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.66%	
50) Toluene-d8	7.69	98	597180	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.49	95	220384	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	274446	47.165	ug/l	98
3) Chloromethane	1.14	50	286908	47.704	ug/l	99
4) Vinyl Chloride	1.18	62	255431	49.434	ug/l	98
5) Bromomethane	1.39	94	158524	52.812	ug/l	99
6) Chloroethane	1.44	64	113486	52.537	ug/l	95
7) Trichlorofluoromethane	1.55	101	327100	49.830	ug/l	94
8) Diethyl Ether	1.71	74	61950	45.344	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	225064	50.188	ug/l	99
10) Methyl Iodide	1.97	142	398366	50.005	ug/l	92
11) Tert butyl alcohol	2.69	59	59621	244.299	ug/l	97
12) 1,1-Dichloroethene	1.86	96	210290	49.303	ug/l	97
13) Acrolein	2.09	56	27408	256.679	ug/l	90
14) Allyl chloride	2.19	41	244984	50.048	ug/l	97
15) Acrylonitrile	3.09	53	185801	249.962	ug/l	97
16) Acetone	2.34	43	183853	219.080	ug/l	99
17) Carbon Disulfide	1.91	76	616137m	51.985	ug/l	
18) Methyl Acetate	2.46	43	87560	48.228	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	373251	49.564	ug/l	98
20) Methylene Chloride	2.33	84	203436m	49.266	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	203372	48.215	ug/l	97
22) Diisopropyl ether	2.93	45	597544	47.722	ug/l	100
23) Vinyl Acetate	3.33	43	1516837	254.258	ug/l	99
24) 1,1-Dichloroethane	3.00	63	336719	49.159	ug/l	99
25) 2-Butanone	4.51	43	390895	232.949	ug/l	98
26) 2,2-Dichloropropane	3.77	77	163191	47.190	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	268778	49.206	ug/l	98
28) Bromochloromethane	3.89	49	149213	45.476	ug/l #	99
29) Tetrahydrofuran	4.26	42	173983	229.065	ug/l	97
30) Chloroform	4.03	83	402129	47.770	ug/l	100
31) Cyclohexane	3.87	56	386237	47.053	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	294641	47.818	ug/l #	89
36) 1,1-Dichloropropene	4.46	75	313559	47.281	ug/l	99
37) Ethyl Acetate	4.29	43	138257	44.180	ug/l #	100
38) Carbon Tetrachloride	4.17	117	281057m	47.880	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	387767	48.835	ug/l	99
40) Benzene	4.80	78	821754	47.241	ug/l	99
41) Methacrylonitrile	4.92	41	92825	51.423	ug/l	93
42) 1,2-Dichloroethane	5.12	62	227224	49.412	ug/l	98
43) Isopropyl Acetate	7.10	43	161266	48.996	ug/l	100
44) Trichloroethene	5.67	130	224267	47.712	ug/l	99
45) 1,2-Dichloropropane	6.39	63	190517	49.722	ug/l	94
46) Dibromomethane	6.25	93	126797	49.738	ug/l	99
47) Bromodichloromethane	6.54	83	286552	49.811	ug/l	98
48) Methyl methacrylate	6.86	41	100114	46.284	ug/l	99
49) 1,4-Dioxane	6.86	88	25196	1015.689	ug/l #	89
51) 4-Methyl-2-Pentanone	8.39	43	597063	243.891	ug/l	99
52) Toluene	7.77	92	436086	47.559	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	207056	47.920	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	281506	48.165	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	124168	48.339	ug/l	99
56) Ethyl methacrylate	8.74	69	143685	49.199	ug/l	96
57) 1,3-Dichloropropane	8.98	76	195121	47.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	197561	232.997	ug/l	97
59) 2-Hexanone	9.61	43	371960	243.653	ug/l	97
60) Dibromochloromethane	8.84	129	190425	49.848	ug/l	96
61) 1,2-Dibromoethane	9.12	107	139705	48.275	ug/l	98
64) Tetrachloroethene	8.29	164	188293	47.908	ug/l	100
65) Chlorobenzene	9.92	112	461142	49.672	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	208064	47.858	ug/l	100
67) Ethyl Benzene	10.02	91	800533	47.421	ug/l	99
68) m/p-Xylenes	10.24	106	595194	95.776	ug/l	98
69) o-Xylene	10.81	106	341933	49.558	ug/l	99
70) Styrene	10.87	104	465184	47.776	ug/l	99
71) Bromoform	10.86	173	108186	47.132	ug/l #	100
73) Isopropylbenzene	11.20	105	936836	48.965	ug/l	99
74) N-amyl acetate	11.44	43	251078	55.553	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	164357	49.951	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	107196	47.352	ug/l #	1
77) Bromobenzene	11.57	156	210528	51.365	ug/l	96
78) n-propylbenzene	11.66	91	984920	48.798	ug/l	100
79) 2-Chlorotoluene	11.79	91	599985	49.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	774962	48.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	49901m	43.222	ug/l	
82) 4-Chlorotoluene	11.96	91	566471	47.875	ug/l	99
83) tert-Butylbenzene	12.19	119	817466	49.606	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	727669	47.188	ug/l	100
85) sec-Butylbenzene	12.36	105	1049429	49.052	ug/l	100
86) p-Isopropyltoluene	12.51	119	866566	47.749	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	349208	45.914	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	343481	46.820	ug/l	99
89) n-Butylbenzene	12.88	91	811839	54.903	ug/l	100
90) Hexachloroethane	12.96	117	235853	50.609	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	352043	47.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	31170	48.215	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	299703	48.774	ug/l	98
94) Hexachlorobutadiene	14.22	225	212707	50.484	ug/l	100
95) Naphthalene	14.48	128	564811	52.569	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	296219	50.214	ug/l	100

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

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