

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062637.D
 Acq On : 17 May 2019 14:38
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:52:11 PM

Quant Time: May 17 16:13:25 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	882520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1371091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1034287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	510981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	264211	42.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.74%	
35) Dibromofluoromethane	4.32	113	484997	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
50) Toluene-d8	7.72	98	1143996	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.34%	
62) 4-Bromofluorobenzene	11.50	95	428043	45.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	211936	17.647	ug/l	90
3) Chloromethane	1.15	50	191682	17.334	ug/l	94
4) Vinyl Chloride	1.19	62	177039	17.392	ug/l	98
5) Bromomethane	1.41	94	87120	15.645	ug/l	86
6) Chloroethane	1.46	64	65045	17.399	ug/l #	87
7) Trichlorofluoromethane	1.56	101	218931	16.018	ug/l	95
8) Diethyl Ether	1.72	74	47790	17.650	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	139526	16.032	ug/l	97
10) Methyl Iodide	2.00	142	301518m	17.637	ug/l	
11) Tert butyl alcohol	2.72	59	41464	100.707	ug/l	95
12) 1,1-Dichloroethene	1.88	96	135501	17.092	ug/l	99
13) Acrolein	2.11	56	38506	89.594	ug/l	97
14) Allyl chloride	2.21	41	113535	15.823	ug/l	97
15) Acrylonitrile	3.10	53	165538	142.532	ug/l	97
16) Acetone	2.36	43	140329	86.735	ug/l	94
17) Carbon Disulfide	1.93	76	402476m	17.128	ug/l	
18) Methyl Acetate	2.47	43	54941	21.610	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	280995	19.827	ug/l	100
20) Methylene Chloride	2.36	84	144389m	17.805	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	146677m	18.929	ug/l	
22) Diisopropyl ether	2.95	45	349757	19.764	ug/l	97
23) Vinyl Acetate	3.35	43	1207541	101.153	ug/l	98
24) 1,1-Dichloroethane	3.02	63	239041	18.413	ug/l	96
25) 2-Butanone	4.54	43	332160	96.093	ug/l	97
26) 2,2-Dichloropropane	3.78	77	138386	18.630	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	248413	19.489	ug/l	97
28) Bromochloromethane	3.91	49	131969	18.125	ug/l	95
29) Tetrahydrofuran	4.29	42	145770	104.212	ug/l	98
30) Chloroform	4.06	83	341352	18.938	ug/l	97
31) Cyclohexane	3.88	56	335197m	19.229	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	223815m	18.697	ug/l	
36) 1,1-Dichloropropene	4.49	75	269885	19.210	ug/l	95
37) Ethyl Acetate	4.32	43	119159	20.772	ug/l #	72
38) Carbon Tetrachloride	4.20	117	169250	16.018	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	366722	21.693	ug/l	99
40) Benzene	4.83	78	800080	20.904	ug/l	100
41) Methacrylonitrile	4.95	41	61543	20.464	ug/l	100
42) 1,2-Dichloroethane	5.14	62	154460	20.237	ug/l	98
43) Isopropyl Acetate	7.13	43	141083	18.984	ug/l	96
44) Trichloroethene	5.70	130	222172	20.653	ug/l	93
45) 1,2-Dichloropropane	6.42	63	189535	19.617	ug/l	92
46) Dibromomethane	6.27	93	113194	20.272	ug/l	99
47) Bromodichloromethane	6.57	83	227895	19.660	ug/l	99
48) Methyl methacrylate	6.89	41	72829	18.749	ug/l	91
49) 1,4-Dioxane	6.88	88	23702	476.406	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	525615	103.470	ug/l	97
52) Toluene	7.79	92	412655	20.558	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	186526	19.668	ug/l	90
54) cis-1,3-Dichloropropene	7.47	75	271046	20.417	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	123057	20.705	ug/l	96
56) Ethyl methacrylate	8.76	69	142528	20.129	ug/l	94
57) 1,3-Dichloropropane	9.01	76	209038	20.649	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	220351	95.606	ug/l	97
59) 2-Hexanone	9.63	43	346385	93.658	ug/l	98
60) Dibromochloromethane	8.87	129	160688	20.745	ug/l	99
61) 1,2-Dibromoethane	9.14	107	135731	21.501	ug/l	99
64) Tetrachloroethene	8.31	164	166656	20.339	ug/l	96
65) Chlorobenzene	9.95	112	421986	20.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	166818	20.456	ug/l	97
67) Ethyl Benzene	10.04	91	739117	20.944	ug/l	95
68) m/p-Xylenes	10.26	106	524732	39.561	ug/l	81
69) o-Xylene	10.82	106	291278	21.321	ug/l	94
70) Styrene	10.90	104	410091	19.749	ug/l	99
71) Bromoform	10.88	173	82644	20.234	ug/l #	96
73) Isopropylbenzene	11.22	105	789665	21.562	ug/l	94
74) N-amyl acetate	11.45	43	211720	19.421	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	157138	20.995	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	93064	18.924	ug/l	100
77) Bromobenzene	11.58	156	178326	19.589	ug/l	89
78) n-propylbenzene	11.68	91	927226	21.393	ug/l	96
79) 2-Chlorotoluene	11.80	91	535189	21.911	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	593525	20.211	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	41904m	19.170	ug/l	
82) 4-Chlorotoluene	11.98	91	470951	19.552	ug/l	95
83) tert-Butylbenzene	12.20	119	626501	21.028	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	605074	21.289	ug/l	96
85) sec-Butylbenzene	12.37	105	848808	21.229	ug/l	96
86) p-Isopropyltoluene	12.53	119	718460	21.322	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	341214	20.718	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	309697	20.038	ug/l	98
89) n-Butylbenzene	12.90	91	703430	21.173	ug/l	90
90) Hexachloroethane	12.98	117	172616	21.355	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	304135	20.716	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	19934	22.326	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	220764	21.008	µg/l	92
94) Hexachlorobutadiene	14.23	225	151584	20.670	µg/l	98
95) Naphthalene	14.50	128	397340	20.813	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	225316	22.636	µg/l	97

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

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