

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062192.D
 Acq On : 17 Apr 2019 18:09
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:15 AM

Quant Time: Apr 18 07:04:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	444908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	619120	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	485931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	260714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	76412	12.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.78%	
35) Dibromofluoromethane	4.28	113	110449	26.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	52.02%	
50) Toluene-d8	7.70	98	269635	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
62) 4-Bromofluorobenzene	11.48	95	104512	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	136296	25.543	ug/l	95
3) Chloromethane	1.14	50	135882	21.131	ug/l	98
4) Vinyl Chloride	1.18	62	117904	19.277	ug/l	95
5) Bromomethane	1.40	94	59508	14.786	ug/l	89
6) Chloroethane	1.44	64	45825	13.273	ug/l	92
7) Trichlorofluoromethane	1.55	101	143695m	19.779	ug/l	
8) Diethyl Ether	1.70	74	30668	10.120	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	102297	21.720	ug/l	98
10) Methyl Iodide	1.98	142	178703	32.820	ug/l #	90
11) Tert butyl alcohol	2.69	59	27294	23.121	ug/l	96
12) 1,1-Dichloroethene	1.87	96	100276	20.769	ug/l	94
13) Acrolein	2.09	56	18028	18.322	ug/l #	72
14) Allyl chloride	2.18	41	114492	11.929	ug/l	94
15) Acrylonitrile	3.07	53	96147	30.916	ug/l	99
16) Acetone	2.34	43	91018	31.543	ug/l	98
17) Carbon Disulfide	1.91	76	269976m	18.072	ug/l	
18) Methyl Acetate	2.45	43	50347	6.943	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	176656	11.235	ug/l	99
20) Methylene Chloride	2.33	84	108812m	19.621	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	94490	18.474	ug/l	98
22) Diisopropyl ether	2.92	45	293500	15.163	ug/l	98
23) Vinyl Acetate	3.33	43	689437	42.969	ug/l	98
24) 1,1-Dichloroethane	3.00	63	162052	16.518	ug/l	99
25) 2-Butanone	4.51	43	185166	39.696	ug/l	97
26) 2,2-Dichloropropane	3.75	77	81645	11.624	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	122879	20.658	ug/l	98
28) Bromochloromethane	3.89	49	84620	18.448	ug/l #	93
29) Tetrahydrofuran	4.25	42	82919	27.005	ug/l	97
30) Chloroform	4.03	83	194804	21.034	ug/l	96
31) Cyclohexane	3.86	56	185119	18.608	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	148969	20.547	ug/l #	81
36) 1,1-Dichloropropene	4.45	75	151748	22.862	ug/l	98
37) Ethyl Acetate	4.29	43	68837	9.272	ug/l #	96
38) Carbon Tetrachloride	4.17	117	135967	24.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	176399	22.008	ug/l	99
40) Benzene	4.81	78	394501	20.725	ug/l	99
41) Methacrylonitrile	4.93	41	39651	9.236	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	104817	16.175	ug/l	100
43) Isopropyl Acetate	7.10	43	67093	5.736	ug/l	97
44) Trichloroethene	5.66	130	105677	22.130	ug/l	97
45) 1,2-Dichloropropane	6.39	63	83623	16.429	ug/l	96
46) Dibromomethane	6.25	93	57360	18.801	ug/l	98
47) Bromodichloromethane	6.54	83	131533	21.721	ug/l	99
48) Methyl methacrylate	6.86	41	47304	8.061	ug/l	96
49) 1,4-Dioxane	6.86	88	10413	95.730	ug/l	89
51) 4-Methyl-2-Pentanone	8.39	43	268994	35.794	ug/l	100
52) Toluene	7.76	92	203274	18.078	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	97772	15.007	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	130361	17.365	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	57081	13.470	ug/l	96
56) Ethyl methacrylate	8.74	69	59705	8.251	ug/l	96
57) 1,3-Dichloropropane	8.98	76	91040	12.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	95284	25.218	ug/l	98
59) 2-Hexanone	9.61	43	167718	29.252	ug/l	97
60) Dibromochloromethane	8.84	129	83227	19.429	ug/l	99
61) 1,2-Dibromoethane	9.11	107	63859	14.484	ug/l	99
64) Tetrachloroethene	8.29	164	84716	22.088	ug/l	98
65) Chlorobenzene	9.91	112	204934	19.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	95477	24.901	ug/l	94
67) Ethyl Benzene	10.01	91	379869	20.175	ug/l	96
68) m/p-Xylenes	10.25	106	272253	39.741	ug/l	97
69) o-Xylene	10.80	106	150705	21.940	ug/l	97
70) Styrene	10.88	104	212940	18.710	ug/l	99
71) Bromoform	10.87	173	48151	17.074	ug/l #	99
73) Isopropylbenzene	11.20	105	453388	22.278	ug/l	97
74) N-amyl acetate	11.44	43	114353	11.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	74030	11.003	ug/l	97
76) 1,2,3-Trichloropropane	11.85	75	51002	8.773	ug/l #	64
77) Bromobenzene	11.57	156	96858	19.361	ug/l	97
78) n-propylbenzene	11.66	91	473667	20.784	ug/l	98
79) 2-Chlorotoluene	11.79	91	290975	20.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.88	105	378412	22.249	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	27452m	12.065	ug/l	
82) 4-Chlorotoluene	11.96	91	275894	17.707	ug/l	100
83) tert-Butylbenzene	12.19	119	394162	23.732	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	367581	21.487	ug/l	97
85) sec-Butylbenzene	12.36	105	509011	25.298	ug/l	98
86) p-Isopropyltoluene	12.51	119	446354	24.590	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	180524	20.569	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	168088	18.934	ug/l	97
89) n-Butylbenzene	12.89	91	428372	25.703	ug/l	96
90) Hexachloroethane	12.96	117	111028	33.359	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	173721	20.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	14299	9.445	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	146293	22.870	ug/l	98
94) Hexachlorobutadiene	14.22	225	100379	29.192	ug/l	100
95) Naphthalene	14.49	128	243152	12.915	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	137092	21.585	ug/l	99

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

