

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062620.D
 Acq On : 16 May 2019 11:32
 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
 5/17/2019 4:20:04 PM

Quant Time: May 17 05:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	780572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1220766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	908021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	465547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	104886	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	
35) Dibromofluoromethane	4.32	113	184700	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
50) Toluene-d8	7.72	98	445509	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	11.50	95	163645	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	208299	19.609	ug/l	97
3) Chloromethane	1.15	50	195403	19.978	ug/l	100
4) Vinyl Chloride	1.20	62	183468	20.378	ug/l	98
5) Bromomethane	1.40	94	89546	18.181	ug/l	92
6) Chloroethane	1.45	64	58874	17.805	ug/l	97
7) Trichlorofluoromethane	1.56	101	239165	20.999	ug/l	99
8) Diethyl Ether	1.72	74	46916	19.590	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.92	101	150394	19.538	ug/l	98
10) Methyl Iodide	2.00	142	300655	19.883	ug/l	96
11) Tert butyl alcohol	2.72	59	32959	90.506	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	137621	19.626	ug/l	93
13) Acrolein	2.10	56	40782	107.283	ug/l	100
14) Allyl chloride	2.20	41	137134	19.904	ug/l	97
15) Acrylonitrile	3.11	53	107860	104.999	ug/l	98
16) Acetone	2.36	43	113248	79.139	ug/l	100
17) Carbon Disulfide	1.93	76	402961	20.168	ug/l #	94
18) Methyl Acetate	2.47	43	43826	17.921	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	229975	18.346	ug/l	95
20) Methylene Chloride	2.35	84	134230m	18.823	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	146102	21.317	ug/l	99
22) Diisopropyl ether	2.95	45	290389	18.552	ug/l	97
23) Vinyl Acetate	3.36	43	1027839	97.345	ug/l	95
24) 1,1-Dichloroethane	3.02	63	242353	21.106	ug/l	98
25) 2-Butanone	4.54	43	273693	89.520	ug/l	94
26) 2,2-Dichloropropane	3.79	77	137022	20.856	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	222292	19.718	ug/l	98
28) Bromochloromethane	3.92	49	133192	20.682	ug/l	92
29) Tetrahydrofuran	4.28	42	112591	91.005	ug/l	99
30) Chloroform	4.07	83	320131	20.080	ug/l	98
31) Cyclohexane	3.89	56	304444	21.297	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	220406	20.817	ug/l	98
36) 1,1-Dichloropropene	4.48	75	250750	20.045	ug/l	96
37) Ethyl Acetate	4.32	43	94763	18.554	ug/l #	79
38) Carbon Tetrachloride	4.19	117	195142	22.142	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	294811	19.587	ug/l	95
40) Benzene	4.83	78	716409	21.023	ug/l	98
41) Methacrylonitrile	4.94	41	46121	17.224	ug/l	94
42) 1,2-Dichloroethane	5.14	62	132953	19.564	ug/l	92
43) Isopropyl Acetate	7.12	43	115545	17.462	ug/l	96
44) Trichloroethene	5.69	130	197143	20.583	ug/l	91
45) 1,2-Dichloropropane	6.42	63	165446	19.232	ug/l	93
46) Dibromomethane	6.27	93	96849	19.480	ug/l	97
47) Bromodichloromethane	6.56	83	208895	20.240	ug/l #	96
48) Methyl methacrylate	6.89	41	62668	18.120	ug/l	97
49) 1,4-Dioxane	6.89	88	15713	354.720	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	422305	93.370	ug/l	96
52) Toluene	7.79	92	366347	20.498	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	163020	19.306	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	240674	20.361	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	107092	20.238	ug/l	96
56) Ethyl methacrylate	8.77	69	116736	18.517	ug/l	96
57) 1,3-Dichloropropane	9.00	76	168555	18.701	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.46	63	201763	98.321	ug/l	97
59) 2-Hexanone	9.63	43	282955	85.565	ug/l	95
60) Dibromochloromethane	8.87	129	129655	18.799	ug/l	100
61) 1,2-Dibromoethane	9.14	107	104431	18.580	ug/l	92
64) Tetrachloroethene	8.31	164	149282	20.752	ug/l	99
65) Chlorobenzene	9.94	112	364086	20.415	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	147022	20.535	ug/l	97
67) Ethyl Benzene	10.04	91	648634	20.936	ug/l	99
68) m/p-Xylenes	10.27	106	468589	40.241	ug/l	84
69) o-Xylene	10.83	106	244550	20.390	ug/l	98
70) Styrene	10.90	104	375398	20.592	ug/l	97
71) Bromoform	10.89	173	70842	19.756	ug/l #	92
73) Isopropylbenzene	11.22	105	713444	21.382	ug/l	96
74) N-amyl acetate	11.45	43	182056	17.686	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	133809	19.623	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	87577	19.546	ug/l	83
77) Bromobenzene	11.59	156	158405	19.099	ug/l	98
78) n-propylbenzene	11.68	91	817681	20.707	ug/l	89
79) 2-Chlorotoluene	11.80	91	449900	20.216	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	563277	21.053	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	36626m	14.713	ug/l	
82) 4-Chlorotoluene	11.98	91	453882	20.682	ug/l	99
83) tert-Butylbenzene	12.20	119	570504	21.018	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	544773	21.038	ug/l	93
85) sec-Butylbenzene	12.38	105	751700	20.635	ug/l	96
86) p-Isopropyltoluene	12.52	119	641018	20.880	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	301547	20.096	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	284014	20.169	ug/l	95
89) n-Butylbenzene	12.90	91	620370	20.496	ug/l	89
90) Hexachloroethane	12.98	117	148806	20.206	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	267505	19.999	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15250	18.747	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	190838	19.932	ug/l	93
94) Hexachlorobutadiene	14.23	225	134575	20.141	ug/l	95
95) Naphthalene	14.50	128	300591	17.282	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	176366	19.447	ug/l	98

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

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