

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062781.D
 Acq On : 29 May 2019 14:41
 Operator : FY/SY
 Sample : VF0529SBS03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:43 AM

Quant Time: May 30 09:02:35 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	5.10	168	681716	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.81	114	1106930	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	891263	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	427274	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	230309	47.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	4.35	113	438782	51.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.75	98	997515	49.32	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.51	95	384337	50.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	168600	18.174	ug/l	94
3) Chloromethane	1.14	50	151181	17.698	ug/l	90
4) Vinyl Chloride	1.19	62	148540	18.891	ug/l	95
5) Bromomethane	1.39	94	87277	20.289	ug/l	99
6) Chloroethane	1.46	64	54146	18.750	ug/l #	88
7) Trichlorofluoromethane	1.56	101	233892	22.153	ug/l	99
8) Diethyl Ether	1.73	74	43356	20.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.93	101	146470	21.787	ug/l	95
10) Methyl Iodide	2.00	142	290321m	21.984	ug/l	
11) Tert butyl alcohol	2.71	59	39119	122.998	ug/l	96
12) 1,1-Dichloroethene	1.89	96	127145	20.762	ug/l	97
13) Acrolein	2.11	56	25487	76.770	ug/l #	72
14) Allyl chloride	2.22	41	116279	20.979	ug/l	93
15) Acrylonitrile	3.12	53	183107	204.099	ug/l	91
16) Acetone	2.37	43	110638	88.526	ug/l #	87
17) Carbon Disulfide	1.91	76	389783	21.474	ug/l #	92
18) Methyl Acetate	2.48	43	48833	24.865	ug/l	94
19) Methyl tert-butyl Ether	2.57	73	247359	22.595	ug/l	98
20) Methylene Chloride	2.31	84	141705m	22.621	ug/l	
21) trans-1,2-Dichloroethene	2.45	96	136345	22.778	ug/l	89
22) Diisopropyl ether	2.97	45	287620	21.040	ug/l	97
23) Vinyl Acetate	3.38	43	975150	105.747	ug/l	99
24) 1,1-Dichloroethane	3.04	63	245639	24.494	ug/l	96
25) 2-Butanone	4.56	43	280619	105.095	ug/l	96
26) 2,2-Dichloropropane	3.82	77	137861	24.026	ug/l	97
27) cis-1,2-Dichloroethene	3.68	96	211677	21.499	ug/l	93
28) Bromochloromethane	3.94	49	126328	22.461	ug/l	92
29) Tetrahydrofuran	4.30	42	118316	109.500	ug/l	93
30) Chloroform	4.09	83	314439	22.583	ug/l	95
31) Cyclohexane	3.90	56	283514	21.055	ug/l	93
32) 1,1,1-Trichloroethane	4.33	97	195860	21.181	ug/l	90
36) 1,1-Dichloropropene	4.51	75	234680	20.690	ug/l	96
37) Ethyl Acetate	4.34	43	107320	23.173	ug/l	88
38) Carbon Tetrachloride	4.22	117	170947	20.039	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	293554	21.509	ug/l	96
40) Benzene	4.86	78	738520	23.900	ug/l	98
41) Methacrylonitrile	4.97	41	52000	21.417	ug/l #	89
42) 1,2-Dichloroethane	5.17	62	123609	20.060	ug/l	90
43) Isopropyl Acetate	7.15	43	121102	20.184	ug/l #	94
44) Trichloroethene	5.73	130	191233	22.020	ug/l	88
45) 1,2-Dichloropropane	6.45	63	182646	23.415	ug/l	98
46) Dibromomethane	6.30	93	101071	22.420	ug/l	90
47) Bromodichloromethane	6.59	83	210549	22.498	ug/l	99
48) Methyl methacrylate	6.91	41	60129	19.174	ug/l	95
49) 1,4-Dioxane	6.91	88	14610	363.738	ug/l #	80
51) 4-Methyl-2-Pentanone	8.44	43	472147	115.125	ug/l	97
52) Toluene	7.82	92	372998	23.017	ug/l	91
53) t-1,3-Dichloropropene	8.46	75	171954	22.458	ug/l	92
54) cis-1,3-Dichloropropene	7.49	75	243526	22.722	ug/l	98
55) 1,1,2-Trichloroethane	8.67	97	112822	23.513	ug/l #	87
56) Ethyl methacrylate	8.78	69	116976	20.463	ug/l	95
57) 1,3-Dichloropropane	9.03	76	189894	23.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.48	63	202441	108.797	ug/l	98
59) 2-Hexanone	9.65	43	336128	116.450	ug/l	97
60) Dibromochloromethane	8.89	129	142701	22.819	ug/l	99
61) 1,2-Dibromoethane	9.17	107	118395	23.231	ug/l	99
64) Tetrachloroethene	8.34	164	146219	20.708	ug/l	96
65) Chlorobenzene	9.97	112	396150	22.630	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	158113	22.499	ug/l	93
67) Ethyl Benzene	10.07	91	679012	22.328	ug/l	94
68) m/p-Xylenes	10.29	106	520810	45.567	ug/l	84
69) o-Xylene	10.84	106	257180	21.846	ug/l	98
70) Styrene	10.91	104	363493	20.314	ug/l	98
71) Bromoform	10.90	173	78167	22.209	ug/l #	99
73) Isopropylbenzene	11.24	105	684583	22.355	ug/l	95
74) N-amyl acetate	11.46	43	208353	23.926	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	156718	25.042	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	100242	24.377	ug/l	92
77) Bromobenzene	11.60	156	167854	22.051	ug/l	99
78) n-propylbenzene	11.69	91	892796	24.634	ug/l	90
79) 2-Chlorotoluene	11.82	91	476427	23.326	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	604497	24.618	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	42184m	23.078	ug/l	
82) 4-Chlorotoluene	12.00	91	468864	23.279	ug/l	98
83) tert-Butylbenzene	12.21	119	558617	22.423	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	531423	22.360	ug/l	97
85) sec-Butylbenzene	12.39	105	764835	22.877	ug/l	94
86) p-Isopropyltoluene	12.54	119	635326	22.549	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	305183	22.160	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	287501	22.246	ug/l	98
89) n-Butylbenzene	12.91	91	639058	23.004	ug/l	90
90) Hexachloroethane	12.99	117	153626	22.729	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	268827	21.898	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17110	22.917	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	188495	21.451	µg/l	96
94) Hexachlorobutadiene	14.24	225	125411	20.451	µg/l	98
95) Naphthalene	14.51	128	310678	19.462	µg/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	174510	20.966	µg/l	93

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

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