

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062776.D
 Acq On : 29 May 2019 12:13
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:01:59 AM

Quant Time: May 30 08:53:21 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	5.08	168	747947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1236295	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	996002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	450562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	244841	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	4.33	113	449010	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	7.73	98	1053555	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.50	95	431308	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	180363	17.720	ug/l	88
3) Chloromethane	1.15	50	152838	16.308	ug/l	90
4) Vinyl Chloride	1.19	62	153288	17.768	ug/l	97
5) Bromomethane	1.40	94	76320	16.171	ug/l	93
6) Chloroethane	1.45	64	54686	17.260	ug/l	95
7) Trichlorofluoromethane	1.56	101	236072	20.380	ug/l	88
8) Diethyl Ether	1.71	74	43437	18.929	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151977	20.605	ug/l	94
10) Methyl Iodide	1.99	142	292158	20.164	ug/l	98
11) Tert butyl alcohol	2.72	59	38381	109.992	ug/l	99
12) 1,1-Dichloroethene	1.88	96	140715	20.943	ug/l	92
13) Acrolein	2.11	56	31415	86.246	ug/l	84
14) Allyl chloride	2.21	41	143797	23.647	ug/l	88
15) Acrylonitrile	3.12	53	115531	117.373	ug/l	89
16) Acetone	2.36	43	125129	91.256	ug/l #	83
17) Carbon Disulfide	1.92	76	366572	18.407	ug/l #	90
18) Methyl Acetate	2.47	43	43575	20.223	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	243385	20.263	ug/l	97
20) Methylene Chloride	2.35	84	149263m	21.717	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	133668	20.354	ug/l	92
22) Diisopropyl ether	2.96	45	298962	19.933	ug/l	96
23) Vinyl Acetate	3.36	43	1121224	110.821	ug/l	98
24) 1,1-Dichloroethane	3.03	63	222589	20.230	ug/l	99
25) 2-Butanone	4.54	43	314809	107.460	ug/l	94
26) 2,2-Dichloropropane	3.79	77	142451	22.628	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	238187	22.049	ug/l	94
28) Bromochloromethane	3.92	49	130978	21.225	ug/l	100
29) Tetrahydrofuran	4.29	42	133351	112.486	ug/l	95
30) Chloroform	4.07	83	335352	21.953	ug/l	97
31) Cyclohexane	3.89	56	290614	19.671	ug/l	99
32) 1,1,1-Trichloroethane	4.31	97	221592	21.842	ug/l	96
36) 1,1-Dichloropropene	4.49	75	266996	21.076	ug/l	96
37) Ethyl Acetate	4.33	43	118457	22.902	ug/l #	70
38) Carbon Tetrachloride	4.21	117	202454	21.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	323966	21.253	ug/l	89
40) Benzene	4.84	78	775433	22.469	ug/l	98
41) Methacrylonitrile	4.95	41	53867	19.864	ug/l #	91
42) 1,2-Dichloroethane	5.16	62	143710	20.881	ug/l	94
43) Isopropyl Acetate	7.14	43	141285	21.084	ug/l #	84
44) Trichloroethene	5.71	130	215641	22.232	ug/l	89
45) 1,2-Dichloropropane	6.43	63	198027	22.730	ug/l	99
46) Dibromomethane	6.28	93	118926	23.620	ug/l	95
47) Bromodichloromethane	6.57	83	230204	22.024	ug/l	99
48) Methyl methacrylate	6.90	41	69529	19.851	ug/l	93
49) 1,4-Dioxane	6.90	88	19059	424.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	523715	114.337	ug/l	95
52) Toluene	7.80	92	417423	23.063	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	194181	22.708	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	276355	23.086	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	125236	23.369	ug/l	92
56) Ethyl methacrylate	8.77	69	140238	21.965	ug/l #	90
57) 1,3-Dichloropropane	9.02	76	208545	22.847	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.47	63	230570	110.948	ug/l	94
59) 2-Hexanone	9.64	43	376065	116.686	ug/l	97
60) Dibromochloromethane	8.88	129	155757	22.300	ug/l	99
61) 1,2-Dibromoethane	9.15	107	135176	23.748	ug/l	99
64) Tetrachloroethene	8.32	164	164246	20.815	ug/l	95
65) Chlorobenzene	9.95	112	435997	22.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	171757	21.871	ug/l	96
67) Ethyl Benzene	10.04	91	752037	22.129	ug/l	97
68) m/p-Xylenes	10.27	106	568262	44.490	ug/l	85
69) o-Xylene	10.83	106	295425	22.455	ug/l	98
70) Styrene	10.90	104	460437	23.026	ug/l	97
71) Bromoform	10.89	173	92890	23.617	ug/l #	100
73) Isopropylbenzene	11.23	105	836405	25.901	ug/l	93
74) N-amyl acetate	11.46	43	238163	26.444	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	173360	26.269	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	113513	26.178	ug/l	89
77) Bromobenzene	11.59	156	195430	24.347	ug/l	93
78) n-propylbenzene	11.68	91	931961	24.386	ug/l	91
79) 2-Chlorotoluene	11.81	91	500459	23.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	607336	23.455	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	47312m	24.546	ug/l	
82) 4-Chlorotoluene	11.99	91	509615	23.994	ug/l	96
83) tert-Butylbenzene	12.20	119	613362	23.348	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	599733	23.930	ug/l	95
85) sec-Butylbenzene	12.38	105	868527	24.635	ug/l	95
86) p-Isopropyltoluene	12.53	119	728211	24.509	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	363739	25.047	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	204452	15.002	ug/l	99
89) n-Butylbenzene	12.90	91	723064	24.683	ug/l	91
90) Hexachloroethane	12.98	117	172435	24.193	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	309600	23.916	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	21906	27.825	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	209473	22.606	ug/l	97
94) Hexachlorobutadiene	14.23	225	143480	22.188	ug/l	99
95) Naphthalene	14.50	128	347285	20.630	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	194129	22.118	ug/l	95

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

