

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062584.D
 Acq On : 14 May 2019 15:55
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 15 04:50:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	599129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1023152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	716510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	346667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	47155	7.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.54%	
35) Dibromofluoromethane	4.34	113	68699	9.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.04%	
50) Toluene-d8	7.73	98	175377	8.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.36%	
62) 4-Bromofluorobenzene	11.51	95	56669	6.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.01	85	79469	9.637	ug/l	94
3) Chloromethane	1.15	50	76636	10.670	ug/l #	87
4) Vinyl Chloride	1.20	62	77822	10.934	ug/l	93
5) Bromomethane	1.39	94	37530	6.716	ug/l	86
6) Chloroethane	1.45	64	31677	8.620	ug/l	94
7) Trichlorofluoromethane	1.56	101	109147	10.559	ug/l	94
8) Diethyl Ether	1.72	74	24983	11.413	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.93	101	74310	11.014	ug/l	95
10) Methyl Iodide	2.01	142	130728	11.416	ug/l	93
11) Tert butyl alcohol	2.72	59	17740	58.275	ug/l #	81
12) 1,1-Dichloroethene	1.89	96	67123	10.987	ug/l	98
13) Acrolein	2.11	56	12239	41.635	ug/l	90
14) Allyl chloride	2.21	41	62114	8.046	ug/l	95
15) Acrylonitrile	3.10	53	63596	69.847	ug/l #	88
16) Acetone	2.36	43	51103	40.780	ug/l	98
17) Carbon Disulfide	1.92	76	157903	8.434	ug/l #	87
18) Methyl Acetate	2.48	43	33592m	11.064	ug/l	
19) Methyl tert-butyl Ether	2.56	73	115410	10.445	ug/l	95
20) Methylene Chloride	2.35	84	74170m	10.112	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	66285	12.060	ug/l	88
22) Diisopropyl ether	2.95	45	142845	8.009	ug/l	97
23) Vinyl Acetate	3.37	43	412315	48.086	ug/l	97
24) 1,1-Dichloroethane	3.03	63	113770	10.554	ug/l	98
25) 2-Butanone	4.55	43	119244	50.717	ug/l	93
26) 2,2-Dichloropropane	3.80	77	59821	10.451	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	81975	11.260	ug/l	91
28) Bromochloromethane	3.93	49	59679	12.258	ug/l	93
29) Tetrahydrofuran	4.29	42	47119	46.428	ug/l	95
30) Chloroform	4.09	83	138239	10.642	ug/l	99
31) Cyclohexane	3.91	56	115095	10.821	ug/l	93
32) 1,1,1-Trichloroethane	4.32	97	86856	10.144	ug/l	91
36) 1,1-Dichloropropene	4.50	75	100362	9.071	ug/l	94
37) Ethyl Acetate	4.34	43	39066	7.632	ug/l #	66
38) Carbon Tetrachloride	4.21	117	76674	8.980	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	115008	10.280	ug/l	94
40) Benzene	4.86	78	283786	11.383	ug/l	94
41) Methacrylonitrile	4.96	41	21749	7.540	ug/l	91
42) 1,2-Dichloroethane	5.16	62	59270	6.798	ug/l	95
43) Isopropyl Acetate	7.13	43	46681	8.449	ug/l #	99
44) Trichloroethene	5.71	130	78057	10.350	ug/l	100
45) 1,2-Dichloropropane	6.43	63	69410	11.699	ug/l	95
46) Dibromomethane	6.28	93	39338	9.954	ug/l	93
47) Bromodichloromethane	6.58	83	80857	7.749	ug/l	92
48) Methyl methacrylate	6.91	41	25319	6.171	ug/l	88
49) 1,4-Dioxane	6.89	88	7173	268.698	ug/l #	77
51) 4-Methyl-2-Pentanone	8.42	43	174116	41.786	ug/l	97
52) Toluene	7.80	92	136366	8.817	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	67813	8.097	ug/l	96
54) cis-1,3-Dichloropropene	7.49	75	89107	8.572	ug/l	92
55) 1,1,2-Trichloroethane	8.66	97	39962	9.236	ug/l	93
56) Ethyl methacrylate	8.78	69	40799	7.194	ug/l #	90
57) 1,3-Dichloropropane	9.02	76	64441	8.844	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.48	63	67151	74.874	ug/l	99
59) 2-Hexanone	9.65	43	121468	41.396	ug/l	94
60) Dibromochloromethane	8.89	129	51138	8.299	ug/l	95
61) 1,2-Dibromoethane	9.15	107	40289	8.854	ug/l	97
64) Tetrachloroethene	8.33	164	52331	10.024	ug/l	98
65) Chlorobenzene	9.95	112	140667	10.210	ug/l	88
66) 1,1,1,2-Tetrachloroethane	10.09	131	54717	9.202	ug/l	95
67) Ethyl Benzene	10.05	91	239067	8.977	ug/l	97
68) m/p-Xylenes	10.28	106	167266	17.529	ug/l	89
69) o-Xylene	10.84	106	86704	9.033	ug/l	92
70) Styrene	10.91	104	131934	8.983	ug/l	95
71) Bromoform	10.90	173	24477	8.058	ug/l #	84
73) Isopropylbenzene	11.23	105	255678	9.137	ug/l	100
74) N-amyl acetate	11.46	43	69517	9.283	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	53336	11.671	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	36277	10.576	ug/l	89
77) Bromobenzene	11.60	156	57379	9.684	ug/l	87
78) n-propylbenzene	11.69	91	317541	9.751	ug/l	95
79) 2-Chlorotoluene	11.81	91	172541	9.276	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	210213	9.015	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	15422m	11.179	ug/l	
82) 4-Chlorotoluene	11.99	91	174031	9.255	ug/l	97
83) tert-Butylbenzene	12.21	119	214759	9.097	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	206407	8.886	ug/l	95
85) sec-Butylbenzene	12.39	105	298903	9.938	ug/l	96
86) p-Isopropyltoluene	12.53	119	241952	9.055	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	120008	10.699	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	111665	9.822	ug/l	97
89) n-Butylbenzene	12.91	91	255639	9.838	ug/l	94
90) Hexachloroethane	12.99	117	63057	10.046	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	99975	9.413	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7092	7.476	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	72397	9.340	ug/l	96
94) Hexachlorobutadiene	14.24	225	54017	10.737	ug/l	95
95) Naphthalene	14.51	128	109442	8.616	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	66758	9.872	ug/l	93

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

