

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061980.D
 Acq On : 16 Mar 2019 17:30
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:22 PM

Quant Time: Mar 22 03:35:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	249938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	397405	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	339965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	184847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	89963	50.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	4.11	113	135652	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	7.56	98	352767	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.41	95	148572	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	55114	20.685	ug/l	92
3) Chloromethane	1.09	50	57389	21.195	ug/l	93
4) Vinyl Chloride	1.15	62	59577	22.750	ug/l	99
5) Bromomethane	1.32	94	36379	19.775	ug/l	95
6) Chloroethane	1.40	64	28166	20.835	ug/l	99
7) Trichlorofluoromethane	1.47	101	74453	21.460	ug/l	99
8) Diethyl Ether	1.63	74	16454	21.334	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	56263	23.018	ug/l	93
10) Methyl Iodide	1.91	142	94418m	22.064	ug/l	
11) Tert butyl alcohol	2.58	59	11512	104.567	ug/l	97
12) 1,1-Dichloroethene	1.80	96	47730	22.626	ug/l	99
13) Acrolein	2.00	56	12554	105.631	ug/l	91
14) Allyl chloride	2.09	41	59603	22.135	ug/l	99
15) Acrylonitrile	2.94	53	32891	98.246	ug/l	91
16) Acetone	2.24	43	46340	114.701	ug/l	95
17) Carbon Disulfide	1.82	76	139455m	22.870	ug/l	
18) Methyl Acetate	2.35	43	15565	17.001	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	78736	20.599	ug/l	99
20) Methylene Chloride	2.18	84	49547m	23.505	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	50376	22.884	ug/l	95
22) Diisopropyl ether	2.80	45	142845	22.054	ug/l	96
23) Vinyl Acetate	3.19	43	290458	113.759	ug/l	99
24) 1,1-Dichloroethane	2.87	63	80728	21.436	ug/l	98
25) 2-Butanone	4.33	43	79506	99.367	ug/l	95
26) 2,2-Dichloropropane	3.60	77	36837	20.737	ug/l	87
27) cis-1,2-Dichloroethene	3.48	96	56694	20.433	ug/l	93
28) Bromochloromethane	3.72	49	32614	20.870	ug/l	86
29) Tetrahydrofuran	4.07	42	36439	104.719	ug/l	97
30) Chloroform	3.86	83	90818	21.283	ug/l	95
31) Cyclohexane	3.70	56	82348m	22.134	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	58089	20.498	ug/l	94
36) 1,1-Dichloropropene	4.28	75	72190	20.116	ug/l	93
37) Ethyl Acetate	4.11	43	30017	18.628	ug/l	94
38) Carbon Tetrachloride	3.99	117	51703	19.713	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	85122	20.204	ug/l	96
40) Benzene	4.64	78	188363	19.808	ug/l	96
41) Methacrylonitrile	4.75	41	18108	21.033	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	48401	20.446	ug/l	97
43) Isopropyl Acetate	6.95	43	34282	17.981	ug/l #	87
44) Trichloroethene	5.50	130	60829	20.882	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44807	19.910	ug/l	96
46) Dibromomethane	6.09	93	25700	19.197	ug/l	92
47) Bromodichloromethane	6.38	83	61605	19.519	ug/l #	93
48) Methyl methacrylate	6.72	41	19824	16.089	ug/l #	69
49) 1,4-Dioxane	6.72	88	3691	336.763	ug/l #	66
51) 4-Methyl-2-Pentanone	8.26	43	131717	97.291	ug/l	96
52) Toluene	7.62	92	111050	19.113	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	50592	18.987	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	66363	19.087	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	32333	19.939	ug/l	96
56) Ethyl methacrylate	8.62	69	35130	19.057	ug/l	96
57) 1,3-Dichloropropane	8.85	76	52504	19.410	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.29	63	33080	99.074	ug/l	94
59) 2-Hexanone	9.49	43	98648	100.683	ug/l	100
60) Dibromochloromethane	8.72	129	44129	19.602	ug/l	91
61) 1,2-Dibromoethane	8.99	107	34589	19.885	ug/l	89
64) Tetrachloroethene	8.15	164	50117	20.281	ug/l	91
65) Chlorobenzene	9.79	112	127605	20.160	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	53150	21.663	ug/l	95
67) Ethyl Benzene	9.90	91	220675	20.362	ug/l	98
68) m/p-Xylenes	10.13	106	169707	41.635	ug/l	91
69) o-Xylene	10.71	106	87596	20.084	ug/l	97
70) Styrene	10.79	104	122304	20.241	ug/l	98
71) Bromoform	10.77	173	26013	20.962	ug/l #	91
73) Isopropylbenzene	11.13	105	258365	20.232	ug/l	99
74) N-amyl acetate	11.37	43	60036	20.517	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	42853	20.330	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	27345	18.552	ug/l	93
77) Bromobenzene	11.49	156	59664	20.175	ug/l	91
78) n-propylbenzene	11.59	91	303476	20.667	ug/l	95
79) 2-Chlorotoluene	11.72	91	170129	20.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	199943	19.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	12436m	19.072	ug/l	
82) 4-Chlorotoluene	11.89	91	171312	20.439	ug/l	93
83) tert-Butylbenzene	12.13	119	218929	20.293	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	204070	19.750	ug/l	94
85) sec-Butylbenzene	12.31	105	294728	20.220	ug/l	99
86) p-Isopropyltoluene	12.46	119	255584	21.014	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	121736	20.944	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	115810	20.701	ug/l	97
89) n-Butylbenzene	12.84	91	237822	20.809	ug/l	96
90) Hexachloroethane	12.92	117	56575	20.383	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	111013	20.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	5746	16.987	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	77864	20.770	ug/l	93
94) Hexachlorobutadiene	14.19	225	50768	20.399	ug/l	97
95) Naphthalene	14.46	128	128002	18.985	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	69506	20.153	ug/l	95

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

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