

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061978.D
 Acq On : 16 Mar 2019 15:54
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVVF031619

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:16 PM

Quant Time: Mar 22 03:32:25 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	267826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	403415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	347569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	180271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	100601	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	4.11	113	141765	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	7.55	98	420318	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.41	95	164595	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	123545	43.271	ug/l	99
3) Chloromethane	1.09	50	129830	44.747	ug/l	90
4) Vinyl Chloride	1.14	62	128168	45.674	ug/l	93
5) Bromomethane	1.32	94	92783	47.067	ug/l	94
6) Chloroethane	1.39	64	66681	46.030	ug/l	94
7) Trichlorofluoromethane	1.48	101	170134	45.764	ug/l	96
8) Diethyl Ether	1.63	74	42857	51.856	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	119700	45.699	ug/l	96
10) Methyl Iodide	1.90	142	218489m	47.647	ug/l	
11) Tert butyl alcohol	2.57	59	29568	250.638	ug/l	97
12) 1,1-Dichloroethene	1.79	96	105478	46.662	ug/l	93
13) Acrolein	2.00	56	42784	335.948	ug/l	88
14) Allyl chloride	2.09	41	129122	44.749	ug/l	94
15) Acrylonitrile	2.94	53	88264	246.036	ug/l	94
16) Acetone	2.24	43	121274	280.129	ug/l	99
17) Carbon Disulfide	1.82	76	301106m	46.081	ug/l	
18) Methyl Acetate	2.34	43	49620	50.578	ug/l #	87
19) Methyl tert-butyl Ether	2.42	73	202548	49.450	ug/l	97
20) Methylene Chloride	2.18	84	106755m	47.262	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	103575	43.908	ug/l	98
22) Diisopropyl ether	2.80	45	325732	46.932	ug/l	99
23) Vinyl Acetate	3.18	43	697783	255.036	ug/l	97
24) 1,1-Dichloroethane	2.87	63	192462	47.691	ug/l	99
25) 2-Butanone	4.33	43	211481	246.658	ug/l	100
26) 2,2-Dichloropropane	3.59	77	85664	45.002	ug/l	90
27) cis-1,2-Dichloroethene	3.47	96	145414	48.908	ug/l	98
28) Bromochloromethane	3.71	49	81046	48.399	ug/l	98
29) Tetrahydrofuran	4.06	42	86859	232.945	ug/l	98
30) Chloroform	3.85	83	210026	45.932	ug/l	98
31) Cyclohexane	3.69	56	184556m	46.292	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	142811	47.029	ug/l	95
36) 1,1-Dichloropropene	4.28	75	171684	47.127	ug/l	96
37) Ethyl Acetate	4.10	43	76833	46.971	ug/l	99
38) Carbon Tetrachloride	3.97	117	125299	47.062	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	186637	43.639	ug/l	96
40) Benzene	4.62	78	449816	46.598	ug/l	99
41) Methacrylonitrile	4.74	41	42916	49.106	ug/l	93
42) 1,2-Dichloroethane	4.94	62	117854	49.044	ug/l	100
43) Isopropyl Acetate	6.95	43	96917	50.077	ug/l #	94
44) Trichloroethene	5.50	130	136628	46.203	ug/l	97
45) 1,2-Dichloropropane	6.23	63	108297	47.405	ug/l	90
46) Dibromomethane	6.08	93	68215	50.195	ug/l	97
47) Bromodichloromethane	6.38	83	157078	49.026	ug/l	98
48) Methyl methacrylate	6.71	41	60878	48.671	ug/l	88
49) 1,4-Dioxane	6.69	88	10988	987.597	ug/l #	63
51) 4-Methyl-2-Pentanone	8.25	43	342263	249.041	ug/l	94
52) Toluene	7.62	92	280682	47.589	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	136402	50.427	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177806	50.379	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	81504	49.512	ug/l	93
56) Ethyl methacrylate	8.62	69	93290	49.853	ug/l	96
57) 1,3-Dichloropropane	8.85	76	128243	46.702	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	83952	247.689	ug/l	98
59) 2-Hexanone	9.49	43	252180	253.547	ug/l	98
60) Dibromochloromethane	8.72	129	116957	51.178	ug/l	97
61) 1,2-Dibromoethane	8.98	107	88795	50.287	ug/l	100
64) Tetrachloroethene	8.14	164	118859	47.046	ug/l	96
65) Chlorobenzene	9.79	112	301819	46.641	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	123958	49.419	ug/l	97
67) Ethyl Benzene	9.90	91	514909	46.472	ug/l	99
68) m/p-Xylenes	10.13	106	390139	93.620	ug/l	95
69) o-Xylene	10.71	106	216479	48.548	ug/l	96
70) Styrene	10.79	104	299608	48.499	ug/l	99
71) Bromoform	10.77	173	64881	51.138	ug/l	97
73) Isopropylbenzene	11.12	105	624122	50.113	ug/l	100
74) N-amyl acetate	11.37	43	148411	52.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	105593	51.366	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	73491	51.125	ug/l	99
77) Bromobenzene	11.50	156	140845	48.834	ug/l	98
78) n-propylbenzene	11.60	91	685861	47.894	ug/l	99
79) 2-Chlorotoluene	11.71	91	380194	47.035	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	491363	48.842	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	37619m	59.157	ug/l	
82) 4-Chlorotoluene	11.90	91	389635	47.666	ug/l	99
83) tert-Butylbenzene	12.13	119	526965	50.086	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	478354	47.471	ug/l	98
85) sec-Butylbenzene	12.31	105	674295	47.435	ug/l	97
86) p-Isopropyltoluene	12.46	119	577790	48.711	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	265884	46.905	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	256113	46.941	ug/l	98
89) n-Butylbenzene	12.84	91	564158	50.616	ug/l	96
90) Hexachloroethane	12.92	117	137012	50.615	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	264407	50.362	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17343	52.573	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185319	50.689	ug/l	97
94) Hexachlorobutadiene	14.19	225	118785	48.941	ug/l	98
95) Naphthalene	14.46	128	335505	51.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	173818	51.677	ug/l	99

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

