

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061630.D
 Acq On : 13 Feb 2019 19:29
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF021319

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:42:18 PM

Quant Time: Feb 14 03:43:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	277251	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	402816	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	349581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	196865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	106916	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
35) Dibromofluoromethane	4.13	113	155615	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
50) Toluene-d8	7.56	98	489951	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
62) 4-Bromofluorobenzene	11.41	95	185126	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	160589	50.437	ug/l	99
3) Chloromethane	1.10	50	175150	52.430	ug/l	100
4) Vinyl Chloride	1.15	62	160996	51.841	ug/l	99
5) Bromomethane	1.33	94	117776	55.103	ug/l	97
6) Chloroethane	1.39	64	80111	52.345	ug/l	92
7) Trichlorofluoromethane	1.49	101	194986	52.056	ug/l	94
8) Diethyl Ether	1.63	74	50601	53.605	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	137530	50.896	ug/l	95
10) Methyl Iodide	1.90	142	276880m	53.641	ug/l	
11) Tert butyl alcohol	2.58	59	31119	264.473	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	119947	50.488	ug/l	94
13) Acrolein	2.01	56	41410	280.018	ug/l	93
14) Allyl chloride	2.10	41	184302	63.219	ug/l	95
15) Acrylonitrile	2.95	53	106555	255.308	ug/l	96
16) Acetone	2.24	43	101327	232.286	ug/l	97
17) Carbon Disulfide	1.84	76	391824	52.468	ug/l	100
18) Methyl Acetate	2.35	43	48217	49.066	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	217033	53.453	ug/l	97
20) Methylene Chloride	2.18	84	121524m	52.095	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	130969	50.711	ug/l	99
22) Diisopropyl ether	2.81	45	370185	52.899	ug/l	99
23) Vinyl Acetate	3.19	43	940031	275.021	ug/l	99
24) 1,1-Dichloroethane	2.88	63	223889	52.867	ug/l	99
25) 2-Butanone	4.34	43	253859	266.425	ug/l	95
26) 2,2-Dichloropropane	3.60	77	96409	53.744	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	183645	54.174	ug/l	98
28) Bromochloromethane	3.72	49	105970	52.151	ug/l	95
29) Tetrahydrofuran	4.08	42	111052	256.429	ug/l	98
30) Chloroform	3.87	83	250794	52.074	ug/l	97
31) Cyclohexane	3.70	56	238164	51.949	ug/l	95
32) 1,1,1-Trichloroethane	4.11	97	170980	54.196	ug/l	95
36) 1,1-Dichloropropene	4.29	75	221651	55.546	ug/l	96
37) Ethyl Acetate	4.12	43	93822	50.621	ug/l #	82
38) Carbon Tetrachloride	4.00	117	157682	57.226	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	270101	57.234	ug/l	99
40) Benzene	4.64	78	580810	55.646	ug/l	98
41) Methacrylonitrile	4.76	41	51424	54.253	ug/l	95
42) 1,2-Dichloroethane	4.96	62	137991	55.269	ug/l	99
43) Isopropyl Acetate	6.97	43	118336	53.939	ug/l #	96
44) Trichloroethene	5.51	130	183390	54.334	ug/l	100
45) 1,2-Dichloropropane	6.25	63	139886	55.446	ug/l	95
46) Dibromomethane	6.09	93	86296	55.553	ug/l	89
47) Bromodichloromethane	6.40	83	179382	52.733	ug/l	98
48) Methyl methacrylate	6.72	41	77729	58.874	ug/l	93
49) 1,4-Dioxane	6.71	88	13354	1075.973	ug/l	91
51) 4-Methyl-2-Pentanone	8.27	43	418586	267.023	ug/l	98
52) Toluene	7.63	92	340765	53.832	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	152973	54.032	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	212045	56.230	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	104060	55.950	ug/l	96
56) Ethyl methacrylate	8.62	69	115153	55.611	ug/l	94
57) 1,3-Dichloropropane	8.86	76	164570	53.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	102335	286.436	ug/l	96
59) 2-Hexanone	9.50	43	295020	268.481	ug/l	95
60) Dibromochloromethane	8.72	129	145436	56.181	ug/l	96
61) 1,2-Dibromoethane	9.00	107	110500	54.777	ug/l	98
64) Tetrachloroethene	8.16	164	159954	55.978	ug/l	98
65) Chlorobenzene	9.81	112	393874	55.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	151403	54.467	ug/l	98
67) Ethyl Benzene	9.91	91	634890	53.818	ug/l	98
68) m/p-Xylenes	10.14	106	472293	104.609	ug/l	99
69) o-Xylene	10.72	106	268040	55.638	ug/l	99
70) Styrene	10.79	104	376880	55.299	ug/l	99
71) Bromoform	10.78	173	82773	54.837	ug/l	96
73) Isopropylbenzene	11.13	105	776669	55.411	ug/l	99
74) N-amyl acetate	11.38	43	186523	55.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	134856	53.704	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	87952	51.517	ug/l	99
77) Bromobenzene	11.50	156	190141	54.912	ug/l	95
78) n-propylbenzene	11.60	91	853830	53.085	ug/l	100
79) 2-Chlorotoluene	11.73	91	460026	51.069	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	592630	52.902	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	44825m	54.766	ug/l	
82) 4-Chlorotoluene	11.91	91	480132	51.352	ug/l	98
83) tert-Butylbenzene	12.13	119	661572	53.318	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	596774	53.621	ug/l	99
85) sec-Butylbenzene	12.31	105	848709	52.894	ug/l	98
86) p-Isopropyltoluene	12.47	119	710063	52.730	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	350488	51.920	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	356282	54.879	ug/l	98
89) n-Butylbenzene	12.84	91	684568	53.836	ug/l	99
90) Hexachloroethane	12.92	117	172544	55.094	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	326870	50.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21078	52.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	238154	51.747	ug/l	99
94) Hexachlorobutadiene	14.20	225	151573	53.326	ug/l	98
95) Naphthalene	14.46	128	435277	54.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	226600	53.643	ug/l	99

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

