

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061237.D
 Acq On : 28 Dec 2018 15:49
 Operator : VA/AP
 Sample : J6515-02MS
 Misc : 5.73q/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:38 AM

Quant Time: Dec 31 22:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	138256	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	277704	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	266580	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	125068	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	100432	56.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.96%	
35) Dibromofluoromethane	4.12	113	126210	56.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.46%	
50) Toluene-d8	7.57	98	354267	56.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.40%	
62) 4-Bromofluorobenzene	11.42	95	147618	50.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	81253	26.438	ug/l	93
3) Chloromethane	1.11	50	97756	55.529	ug/l	93
4) Vinyl Chloride	1.14	62	74697	45.739	ug/l	92
5) Bromomethane	1.33	94	68464	60.442	ug/l	93
6) Chloroethane	1.39	64	43163	57.360	ug/l	90
7) Trichlorofluoromethane	1.49	101	106036m	34.005	ug/l	
8) Diethyl Ether	1.64	74	28061	65.716	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.85	101	53594	33.149	ug/l	93
10) Methyl Iodide	1.91	142	154265m	60.531	ug/l	
11) Tert butyl alcohol	2.59	59	24521	341.718	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	60114	49.325	ug/l	87
13) Acrolein	2.00	56	24723	476.800	ug/l	82
14) Allyl chloride	2.10	41	80736	63.658	ug/l #	81
15) Acrylonitrile	2.95	53	65032	391.918	ug/l	90
16) Acetone	2.25	43	127749	359.367	ug/l #	87
17) Carbon Disulfide	1.84	76	180512m	49.012	ug/l	
18) Methyl Acetate	2.35	43	58685	79.793	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	167046	61.751	ug/l	93
20) Methylene Chloride	2.25	84	80414m	72.841	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	71568m	54.905	ug/l	
22) Diisopropyl ether	2.81	45	313697	74.254	ug/l	96
23) Vinyl Acetate	3.20	43	668066	342.785	ug/l	98
24) 1,1-Dichloroethane	2.88	63	155487	62.118	ug/l	99
25) 2-Butanone	4.35	43	201855	350.123	ug/l	98
26) 2,2-Dichloropropane	3.61	77	78573	54.699	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	131219	65.756	ug/l	96
28) Bromochloromethane	3.73	49	83146	65.466	ug/l	97
29) Tetrahydrofuran	4.07	42	100970	430.296	ug/l	93
30) Chloroform	3.87	83	247691	65.994	ug/l	95
31) Cyclohexane	3.70	56	113682m	43.768	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	113862	50.614	ug/l	94
36) 1,1-Dichloropropene	4.29	75	142297	42.450	ug/l	95
37) Ethyl Acetate	4.12	43	83978	69.013	ug/l	91
38) Carbon Tetrachloride	4.00	117	94447	36.998	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	119274	39.662	ug/l	97
40) Benzene	4.65	78	396800	55.045	ug/l	97
41) Methacrylonitrile	4.77	41	41684	58.882	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	138175	50.458	ug/l	98
43) Isopropyl Acetate	6.97	43	93689	57.884	ug/l #	98
44) Trichloroethene	5.51	130	115087	50.639	ug/l	99
45) 1,2-Dichloropropane	6.24	63	108401	55.272	ug/l	98
46) Dibromomethane	6.10	93	68930	54.189	ug/l	98
47) Bromodichloromethane	6.40	83	173680	52.550	ug/l	100
48) Methyl methacrylate	6.74	41	56434	49.945	ug/l	91
49) 1,4-Dioxane	6.72	88	9089	1108.592	ug/l #	74
51) 4-Methyl-2-Pentanone	8.27	43	331339	298.493	ug/l	99
52) Toluene	7.64	92	264085	55.343	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	140977	52.875	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	184316	55.080	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	77345	54.069	ug/l	94
56) Ethyl methacrylate	8.63	69	102484	66.208	ug/l	98
57) 1,3-Dichloropropane	8.87	76	139262	53.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	57877	194.683	ug/l	99
59) 2-Hexanone	9.50	43	250202	311.679	ug/l	97
60) Dibromochloromethane	8.73	129	110819	54.043	ug/l	99
61) 1,2-Dibromoethane	9.00	107	80302	52.562	ug/l	99
64) Tetrachloroethene	8.17	164	84023	40.973	ug/l	99
65) Chlorobenzene	9.82	112	282884	51.366	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	109203	48.523	ug/l	99
67) Ethyl Benzene	9.91	91	753819	75.134	ug/l	98
68) m/p-Xylenes	10.15	106	582461	164.963	ug/l	89
69) o-Xylene	10.72	106	205498	52.477	ug/l	93
70) Styrene	10.80	104	277471	59.030	ug/l	98
71) Bromoform	10.78	173	51157	49.132	ug/l	98
73) Isopropylbenzene	11.14	105	654926	60.766	ug/l	100
74) N-amyl acetate	11.38	43	149091	62.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	81138	45.360	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	76956	57.810	ug/l	90
77) Bromobenzene	11.50	156	119923	51.689	ug/l	93
78) n-propylbenzene	11.60	91	1160594	Below Cal		99
79) 2-Chlorotoluene	11.73	91	527271	71.315	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	1310295	147.644	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.88	75	29712m	51.942	ug/l	
82) 4-Chlorotoluene	11.91	91	355663	46.501	ug/l	96
83) tert-Butylbenzene	12.14	119	412270	45.144	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	2328136	263.068	ug/l	88
85) sec-Butylbenzene	12.31	105	609354	51.130	ug/l	94
86) p-Isopropyltoluene	12.47	119	471278m	47.641	ug/l	
87) 1,3-Dichlorobenzene	12.49	146	218405	58.609	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	217339	51.016	ug/l	98
89) n-Butylbenzene	12.85	91	575478	60.662	ug/l	90
90) Hexachloroethane	12.92	117	112033	45.840	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	208315	50.224	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	14600	44.479	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	135162	45.950	ug/l	98
94) Hexachlorobutadiene	14.20	225	53034	28.308	ug/l	98
95) Naphthalene	14.46	128	509429	94.842	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	122852	45.178	ug/l	97

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

