

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061288.D
 Acq On : 8 Jan 2019 15:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:45:01 AM

Quant Time: Jan 09 06:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	176512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	291876	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	292350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	143652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	140295	62.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.24%	
35) Dibromofluoromethane	4.13	113	169015	75.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	150.54%	
50) Toluene-d8	7.56	98	501414	75.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.50%	
62) 4-Bromofluorobenzene	11.42	95	212388	71.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	236516	69.786	ug/l	95
3) Chloromethane	1.09	50	213096	82.075	ug/l	92
4) Vinyl Chloride	1.14	62	190906	84.888	ug/l	97
5) Bromomethane	1.30	94	139480	90.716	ug/l	89
6) Chloroethane	1.38	64	95589	93.789	ug/l	96
7) Trichlorofluoromethane	1.47	101	325895	80.528	ug/l	95
8) Diethyl Ether	1.64	74	44263	76.665	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	168539	83.355	ug/l	99
10) Methyl Iodide	1.85	142	268464	82.179	ug/l	98
11) Tert butyl alcohol	2.57	59	28893	305.598	ug/l #	88
12) 1,1-Dichloroethene	1.75	96	142118	83.617	ug/l	98
13) Acrolein	2.00	56	29815	336.911	ug/l	87
14) Allyl chloride	2.10	41	253155	107.739	ug/l	98
15) Acrylonitrile	2.95	53	99645	394.225	ug/l	97
16) Acetone	2.24	43	148952	331.947	ug/l	92
17) Carbon Disulfide	1.77	76	457729	88.443	ug/l	99
18) Methyl Acetate	2.36	43	61458m	61.892	ug/l	
19) Methyl tert-butyl Ether	2.43	73	250810	70.794	ug/l	99
20) Methylene Chloride	2.19	84	136026	65.318	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	142287	79.597	ug/l	95
22) Diisopropyl ether	2.80	45	479610	81.175	ug/l	96
23) Vinyl Acetate	3.19	43	669559	247.455	ug/l	99
24) 1,1-Dichloroethane	2.88	63	274393	79.212	ug/l	100
25) 2-Butanone	4.35	43	227864	270.516	ug/l	100
26) 2,2-Dichloropropane	3.61	77	182657	91.566	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	201313	76.639	ug/l	90
28) Bromochloromethane	3.74	49	120100	73.239	ug/l #	94
29) Tetrahydrofuran	4.08	42	99299	303.199	ug/l	98
30) Chloroform	3.88	83	347750	71.769	ug/l	98
31) Cyclohexane	3.71	56	283954	77.339	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	280240	89.044	ug/l	99
36) 1,1-Dichloropropene	4.29	75	250480	72.866	ug/l	97
37) Ethyl Acetate	4.12	43	88034	64.141	ug/l #	98
38) Carbon Tetrachloride	4.00	117	247586	89.963	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	304973	82.996	ug/l	97
40) Benzene	4.64	78	564448	72.351	ug/l	99
41) Methacrylonitrile	4.76	41	47188	60.463	ug/l	94
42) 1,2-Dichloroethane	4.95	62	179035	68.589	ug/l	97
43) Isopropyl Acetate	6.97	43	110033	60.083	ug/l #	99
44) Trichloroethene	5.52	130	157121	64.701	ug/l	91
45) 1,2-Dichloropropane	6.24	63	149714	75.166	ug/l	98
46) Dibromomethane	6.09	93	92605	70.658	ug/l	96
47) Bromodichloromethane	6.40	83	230391	69.058	ug/l	98
48) Methyl methacrylate	6.73	41	76152	64.216	ug/l	97
49) 1,4-Dioxane	6.72	88	10051	1223.227	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	433679	340.957	ug/l	98
52) Toluene	7.63	92	369147	72.466	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	172516	63.433	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	231147	66.870	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	102470	69.948	ug/l	99
56) Ethyl methacrylate	8.63	69	119581	73.861	ug/l	98
57) 1,3-Dichloropropane	8.87	76	179759	65.277	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	24610	125.172	ug/l #	88
59) 2-Hexanone	9.50	43	286825	311.484	ug/l	100
60) Dibromochloromethane	8.73	129	146061	70.193	ug/l	99
61) 1,2-Dibromoethane	8.99	107	104076	65.828	ug/l	98
64) Tetrachloroethene	8.17	164	142122	63.435	ug/l	95
65) Chlorobenzene	9.81	112	405418	68.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	167041	68.422	ug/l	97
67) Ethyl Benzene	9.91	91	758669	69.424	ug/l	95
68) m/p-Xylenes	10.14	106	516432	129.493	ug/l	97
69) o-Xylene	10.72	106	295637	68.526	ug/l	100
70) Styrene	10.80	104	384489	64.740	ug/l	99
71) Bromoform	10.78	173	68460	60.233	ug/l #	97
73) Isopropylbenzene	11.14	105	878868	72.025	ug/l	97
74) N-amyl acetate	11.38	43	184835	59.997	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	136126	63.867	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	97816	61.821	ug/l	99
77) Bromobenzene	11.50	156	165740	64.701	ug/l	88
78) n-propylbenzene	11.60	91	983219	67.600	ug/l	99
79) 2-Chlorotoluene	11.73	91	567257	67.531	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	700349	71.094	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	39603m	54.611	ug/l	
82) 4-Chlorotoluene	11.90	91	556126	65.309	ug/l	96
83) tert-Butylbenzene	12.14	119	669735	65.939	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	687915	70.146	ug/l	100
85) sec-Butylbenzene	12.31	105	952667	69.147	ug/l	98
86) p-Isopropyltoluene	12.47	119	792295	69.794	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	318788	64.493	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	314940	65.301	ug/l	98
89) n-Butylbenzene	12.85	91	802696	68.822	ug/l	99
90) Hexachloroethane	12.92	117	193458	69.076	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	320245	67.067	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24610	64.252	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	226571	67.762	ug/l	94
94) Hexachlorobutadiene	14.19	225	154739	72.636	ug/l	99
95) Naphthalene	14.46	128	448894	71.824	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	214270	69.115	ug/l	96

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

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