

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061285.D
 Acq On : 8 Jan 2019 14:33
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:44:44 AM

Quant Time: Jan 09 06:15:32 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	214274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	358772	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	331602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	174711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	23857	8.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.54%	
35) Dibromofluoromethane	4.12	113	26154	9.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.96%	
50) Toluene-d8	7.57	98	80740	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	
62) 4-Bromofluorobenzene	11.41	95	35859	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	41361	10.053	ug/l	93
3) Chloromethane	1.09	50	37338	11.846	ug/l	90
4) Vinyl Chloride	1.14	62	33395	12.232	ug/l	95
5) Bromomethane	1.30	94	24421	13.084	ug/l	100
6) Chloroethane	1.37	64	15724	12.709	ug/l	91
7) Trichlorofluoromethane	1.46	101	55215	11.239	ug/l	99
8) Diethyl Ether	1.64	74	7351	10.488	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	30412	12.390	ug/l	92
10) Methyl Iodide	1.86	142	46339	11.685	ug/l #	97
11) Tert butyl alcohol	2.58	59	4415	38.467	ug/l	93
12) 1,1-Dichloroethene	1.76	96	22560	10.934	ug/l	96
13) Acrolein	2.00	56	6401	59.585	ug/l	96
14) Allyl chloride	2.10	41	41328	14.489	ug/l	95
15) Acrylonitrile	2.96	53	15929	51.914	ug/l #	89
16) Acetone	2.24	43	31169	57.220	ug/l	93
17) Carbon Disulfide	1.78	76	80965	12.887	ug/l	96
18) Methyl Acetate	2.35	43	9822	8.148	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	43968	10.223	ug/l	96
20) Methylene Chloride	2.19	84	25215	9.974	ug/l	94
21) trans-1,2-Dichloroethene	2.32	96	25178	11.603	ug/l	99
22) Diisopropyl ether	2.80	45	77902	10.862	ug/l	96
23) Vinyl Acetate	3.20	43	100886	30.714	ug/l	98
24) 1,1-Dichloroethane	2.88	63	46452	11.047	ug/l	97
25) 2-Butanone	4.34	43	47532	46.484	ug/l	94
26) 2,2-Dichloropropane	3.61	77	32693	13.501	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	32634	10.234	ug/l	93
28) Bromochloromethane	3.73	49	20921	10.510	ug/l #	97
29) Tetrahydrofuran	4.09	42	19017	47.833	ug/l #	91
30) Chloroform	3.87	83	59801	10.167	ug/l	91
31) Cyclohexane	3.71	56	50124	11.246	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	50219	13.145	ug/l	91
36) 1,1-Dichloropropene	4.29	75	43775	10.360	ug/l	93
37) Ethyl Acetate	4.11	43	15839	9.388	ug/l #	80
38) Carbon Tetrachloride	4.01	117	44006	13.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	55873	12.370	ug/l	97
40) Benzene	4.65	78	105261	10.977	ug/l	99
41) Methacrylonitrile	4.75	41	8813	9.187	ug/l #	86
42) 1,2-Dichloroethane	4.95	62	31488	9.814	ug/l	97
43) Isopropyl Acetate	6.96	43	18851	8.374	ug/l #	86
44) Trichloroethene	5.51	130	31022	10.393	ug/l	94
45) 1,2-Dichloropropane	6.24	63	24917	10.177	ug/l	97
46) Dibromomethane	6.10	93	15830	9.826	ug/l	96
47) Bromodichloromethane	6.39	83	37496	9.144	ug/l	88
48) Methyl methacrylate	6.73	41	12543	8.605	ug/l	96
49) 1,4-Dioxane	6.72	88	1914	189.505	ug/l #	72
51) 4-Methyl-2-Pentanone	8.27	43	79578	50.898	ug/l	98
52) Toluene	7.64	92	67813	10.830	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	30696	9.182	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	37942	8.930	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	17584	9.765	ug/l	93
56) Ethyl methacrylate	8.63	69	19031	9.563	ug/l	98
57) 1,3-Dichloropropane	8.87	76	31545	9.319	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.31	63	3230	13.365	ug/l #	90
59) 2-Hexanone	9.50	43	53945	47.659	ug/l	98
60) Dibromochloromethane	8.73	129	22969	8.980	ug/l	85
61) 1,2-Dibromoethane	9.00	107	17928	9.225	ug/l	97
64) Tetrachloroethene	8.16	164	25278	9.947	ug/l	90
65) Chlorobenzene	9.81	112	66653	9.885	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	27410	9.899	ug/l	94
67) Ethyl Benzene	9.91	91	141259	11.396	ug/l	93
68) m/p-Xylenes	10.14	106	95397	21.089	ug/l	98
69) o-Xylene	10.72	106	51005	10.423	ug/l	86
70) Styrene	10.80	104	68567	10.179	ug/l	96
71) Bromoform	10.78	173	10323	8.007	ug/l	88
73) Isopropylbenzene	11.13	105	160848	10.838	ug/l	98
74) N-amyl acetate	11.38	43	34528	9.215	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	24425	9.422	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	17804	9.252	ug/l	99
77) Bromobenzene	11.50	156	31120	9.989	ug/l	91
78) n-propylbenzene	11.60	91	195634	11.059	ug/l	96
79) 2-Chlorotoluene	11.73	91	106908	10.465	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	129771	10.831	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	7785m	8.827	ug/l	
82) 4-Chlorotoluene	11.91	91	110083	10.630	ug/l	96
83) tert-Butylbenzene	12.13	119	129830	10.510	ug/l	93
84) 1,2,4-Trimethylbenzene	12.21	105	130301	10.925	ug/l	96
85) sec-Butylbenzene	12.31	105	184031	10.983	ug/l	96
86) p-Isopropyltoluene	12.47	119	147727	10.700	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	63061	10.490	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	57470	9.798	ug/l	98
89) n-Butylbenzene	12.85	91	151667	10.692	ug/l	96
90) Hexachloroethane	12.92	117	31271	9.181	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	60744	10.460	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	3421	7.344	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	38664	9.508	ug/l	94
94) Hexachlorobutadiene	14.20	225	24533	9.469	ug/l	98
95) Naphthalene	14.46	128	69433	9.135	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	36237	9.611	ug/l	96

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

