

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009255.D
 Acq On : 24 Jan 2019 12:52
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:21 AM

Quant Time: Jan 24 13:24:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	87078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	148128	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	135725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	68660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	10261	9.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	4.64	113	9049	9.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.78%	
50) Toluene-d8	7.36	98	34168	9.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.22%	
62) 4-Bromofluorobenzene	10.12	95	13200	9.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6428m	9.126	ug/l	
3) Chloromethane	1.25	50	9429	9.945	ug/l	93
4) Vinyl Chloride	1.32	62	9528	8.845	ug/l	93
5) Bromomethane	1.53	94	6004	9.828	ug/l	96
6) Chloroethane	1.60	64	5394	8.959	ug/l	98
7) Trichlorofluoromethane	1.76	101	4779	6.321	ug/l	95
8) Diethyl Ether	1.96	74	4713	9.912	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.14	101	8331	8.869	ug/l	98
10) Methyl Iodide	2.26	142	14544	9.700	ug/l	97
11) Tert butyl alcohol	2.66	59	5740	74.623	ug/l #	84
12) 1,1-Dichloroethene	2.14	96	9027	9.788	ug/l	89
13) Acrolein	2.05	56	2506	31.533	ug/l	86
14) Allyl chloride	2.42	41	13666	8.597	ug/l	97
15) Acrylonitrile	2.76	53	10545	51.200	ug/l	98
16) Acetone	2.17	43	15935	55.307	ug/l	94
17) Carbon Disulfide	2.32	76	23880	8.464	ug/l	98
18) Methyl Acetate	2.45	43	7648	9.938	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	14098	9.847	ug/l	93
20) Methylene Chloride	2.52	84	11123	8.238	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	9207	9.266	ug/l	91
22) Diisopropyl ether	3.33	45	32905	9.722	ug/l	98
23) Vinyl Acetate	3.30	43	97128	52.886	ug/l	100
24) 1,1-Dichloroethane	3.21	63	20371	9.674	ug/l	98
25) 2-Butanone	4.02	43	20504	62.233	ug/l	98
26) 2,2-Dichloropropane	3.94	77	9947	8.393	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	11897	9.907	ug/l	97
28) Bromochloromethane	4.29	49	7822	10.065	ug/l	94
29) Tetrahydrofuran	4.39	42	10813	60.342	ug/l	98
30) Chloroform	4.42	83	20558	9.720	ug/l	99
31) Cyclohexane	4.71	56	18650	9.701	ug/l #	88
32) 1,1,1-Trichloroethane	4.65	97	16208	9.092	ug/l	96
36) 1,1-Dichloropropene	4.87	75	14720	8.950	ug/l	99
37) Ethyl Acetate	4.13	43	7250	11.471	ug/l	97
38) Carbon Tetrachloride	4.87	117	14504	8.809	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	18185	9.337	ug/l	98
40) Benzene	5.14	78	44295	9.630	ug/l	96
41) Methacrylonitrile	4.31	41	4278	11.231	ug/l	95
42) 1,2-Dichloroethane	5.17	62	13800	9.586	ug/l	98
43) Isopropyl Acetate	5.33	43	14051	11.302	ug/l	99
44) Trichloroethene	5.95	130	11616	9.597	ug/l	99
45) 1,2-Dichloropropane	6.22	63	10898	9.850	ug/l	94
46) Dibromomethane	6.35	93	5757	10.140	ug/l	92
47) Bromodichloromethane	6.55	83	13741	9.159	ug/l	98
48) Methyl methacrylate	6.42	41	6974	10.993	ug/l	97
49) 1,4-Dioxane	6.41	88	1566	216.538	ug/l #	92
51) 4-Methyl-2-Pentanone	7.27	43	36457	57.781	ug/l	99
52) Toluene	7.43	92	28173	9.682	ug/l	97
53) t-1,3-Dichloropropene	7.69	75	13487	9.237	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	15642	9.303	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	8487	10.610	ug/l	97
56) Ethyl methacrylate	7.83	69	9363	10.047	ug/l	99
57) 1,3-Dichloropropane	8.05	76	15056	10.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	387	26.572	ug/l #	52
59) 2-Hexanone	8.19	43	26288	57.605	ug/l	100
60) Dibromochloromethane	8.29	129	9045	9.657	ug/l	100
61) 1,2-Dibromoethane	8.40	107	8434	10.782	ug/l	98
64) Tetrachloroethene	8.02	164	9482	9.817	ug/l	96
65) Chlorobenzene	8.93	112	32002	10.135	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.02	131	10518	9.747	ug/l	98
67) Ethyl Benzene	9.05	91	52531	9.338	ug/l	99
68) m/p-Xylenes	9.18	106	40030	18.744	ug/l	97
69) o-Xylene	9.59	106	19034	9.613	ug/l	96
70) Styrene	9.60	104	29968	9.484	ug/l	97
71) Bromoform	9.78	173	5145	10.110	ug/l #	97
73) Isopropylbenzene	9.97	105	50991	8.994	ug/l	100
74) N-amyl acetate	9.84	43	11377	10.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	10527	11.013	ug/l	95
76) 1,2,3-Trichloropropane	10.32	75	8358m	11.119	ug/l	
77) Bromobenzene	10.26	156	12250	10.101	ug/l	94
78) n-propylbenzene	10.40	91	60628	9.020	ug/l	99
79) 2-Chlorotoluene	10.47	91	37891	9.343	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	42951	9.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	2708	10.195	ug/l	98
82) 4-Chlorotoluene	10.58	91	45355	9.495	ug/l	99
83) tert-Butylbenzene	10.91	119	41621	9.193	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	44690	9.317	ug/l	99
85) sec-Butylbenzene	11.13	105	54016	9.109	ug/l	99
86) p-Isopropyltoluene	11.29	119	48692	9.377	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	24436	9.704	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	25450	9.998	ug/l	97
89) n-Butylbenzene	11.70	91	46322	9.191	ug/l	99
90) Hexachloroethane	11.95	117	8254	8.939	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	22157	9.968	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	1709	10.650	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	14458	10.104	ug/l	100
94) Hexachlorobutadiene	13.49	225	8942	10.083	ug/l	97
95) Naphthalene	13.56	128	27051	10.934	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	13215	10.907	ug/l	99

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

