

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012319\
 Data File : VV009250.D
 Acq On : 23 Jan 2019 17:02
 Operator : SY/MD
 Sample : VV0123SBS01
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:11:04 PM

Quant Time: Jan 24 04:14:57 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	77494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	131279	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	119014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	61229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	42293	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
35) Dibromofluoromethane	4.64	113	37361	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	
50) Toluene-d8	7.36	98	141966	42.70	ug/l	0.00
Spiked Amount			Recovery	=	85.40%	
62) 4-Bromofluorobenzene	10.12	95	54438	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	12446m	19.856	ug/l	
3) Chloromethane	1.25	50	14148	16.768	ug/l	98
4) Vinyl Chloride	1.32	62	17837	18.606	ug/l	99
5) Bromomethane	1.53	94	9684	17.812	ug/l	98
6) Chloroethane	1.60	64	9791	18.273	ug/l	97
7) Trichlorofluoromethane	1.76	101	9873	14.675	ug/l	98
8) Diethyl Ether	1.96	74	8892	21.014	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	16400	19.618	ug/l	98
10) Methyl Iodide	2.25	142	25393	19.031	ug/l	98
11) Tert butyl alcohol	2.65	59	7503	120.637	ug/l	95
12) 1,1-Dichloroethene	2.14	96	15527	18.917	ug/l	94
13) Acrolein	2.06	56	4578	82.727	ug/l	93
14) Allyl chloride	2.42	41	25083	17.731	ug/l	95
15) Acrylonitrile	2.76	53	21344	116.449	ug/l	95
16) Acetone	2.17	43	29990	116.962	ug/l	98
17) Carbon Disulfide	2.31	76	43919	17.492	ug/l	99
18) Methyl Acetate	2.44	43	15021	21.933	ug/l	99
19) Methyl tert-butyl Ether	2.79	73	25612	20.102	ug/l	99
20) Methylene Chloride	2.53	84	18154	18.848	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	16163	18.278	ug/l	97
22) Diisopropyl ether	3.33	45	57704	19.157	ug/l	94
23) Vinyl Acetate	3.30	43	175688	107.493	ug/l	98
24) 1,1-Dichloroethane	3.22	63	35821	19.114	ug/l	99
25) 2-Butanone	4.01	43	36647	124.986	ug/l	94
26) 2,2-Dichloropropane	3.94	77	19005	18.019	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	20531	19.210	ug/l	96
28) Bromochloromethane	4.29	49	13536	19.573	ug/l	97
29) Tetrahydrofuran	4.38	42	21560	135.195	ug/l	95
30) Chloroform	4.42	83	35661	18.946	ug/l	96
31) Cyclohexane	4.72	56	32887	19.223	ug/l	# 92
32) 1,1,1-Trichloroethane	4.65	97	29562	18.634	ug/l	99
36) 1,1-Dichloropropene	4.87	75	27377	18.783	ug/l	99
37) Ethyl Acetate	4.12	43	14197	25.345	ug/l	98
38) Carbon Tetrachloride	4.87	117	27139	18.599	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	33663	19.503	ug/l	99
40) Benzene	5.14	78	77558	19.025	ug/l	98
41) Methacrylonitrile	4.30	41	8348	24.728	ug/l	94
42) 1,2-Dichloroethane	5.17	62	24948	19.554	ug/l	98
43) Isopropyl Acetate	5.33	43	25662	23.290	ug/l	99
44) Trichloroethene	5.95	130	20139	18.773	ug/l	95
45) 1,2-Dichloropropane	6.22	63	17971	18.327	ug/l	96
46) Dibromomethane	6.35	93	11095	22.051	ug/l	99
47) Bromodichloromethane	6.55	83	25269	19.005	ug/l	97
48) Methyl methacrylate	6.42	41	12932	23.001	ug/l	94
49) 1,4-Dioxane	6.41	88	3073	479.455	ug/l	95
51) 4-Methyl-2-Pentanone	7.27	43	65407	116.970	ug/l	98
52) Toluene	7.43	92	49058	19.024	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	25282	19.537	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	28957	19.433	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	15736	22.197	ug/l	97
56) Ethyl methacrylate	7.83	69	17948	21.730	ug/l	97
57) 1,3-Dichloropropane	8.05	76	27434	21.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	559	43.309	ug/l #	68
59) 2-Hexanone	8.18	43	49668	122.806	ug/l	100
60) Dibromochloromethane	8.29	129	17080	20.577	ug/l	98
61) 1,2-Dibromoethane	8.40	107	14965	21.586	ug/l	98
64) Tetrachloroethene	8.02	164	16246	19.182	ug/l	94
65) Chlorobenzene	8.92	112	53540	19.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	18510	19.561	ug/l	98
67) Ethyl Benzene	9.05	91	91495	18.549	ug/l	100
68) m/p-Xylenes	9.18	106	71070	37.952	ug/l	95
69) o-Xylene	9.59	106	32938	18.972	ug/l	99
70) Styrene	9.60	104	53020	19.135	ug/l	99
71) Bromoform	9.77	173	10020	22.455	ug/l #	97
73) Isopropylbenzene	9.97	105	92645	18.323	ug/l	98
74) N-amyl acetate	9.84	43	21851	23.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	19527	22.909	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	16117	24.043	ug/l	97
77) Bromobenzene	10.26	156	21449	19.833	ug/l	95
78) n-propylbenzene	10.40	91	110554	18.444	ug/l	100
79) 2-Chlorotoluene	10.47	91	67016	18.530	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	78557	18.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5055	21.340	ug/l	92
82) 4-Chlorotoluene	10.58	91	78949	18.534	ug/l	100
83) tert-Butylbenzene	10.91	119	75299	18.649	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	79520	18.590	ug/l	99
85) sec-Butylbenzene	11.13	105	98712	18.666	ug/l	100
86) p-Isopropyltoluene	11.29	119	86197	18.615	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	42913	19.111	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	43825	19.306	ug/l	98
89) n-Butylbenzene	11.70	91	84018	18.693	ug/l	99
90) Hexachloroethane	11.95	117	14887	18.079	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	38945	19.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3292	23.004	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	25652	20.103	ug/l	98
94) Hexachlorobutadiene	13.50	225	15490	19.587	ug/l	98
95) Naphthalene	13.55	128	49551	22.458	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	23040	21.323	ug/l	97

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

