

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012319\
 Data File : VV009249.D
 Acq On : 23 Jan 2019 16:33
 Operator : SY/MD
 Sample : VV0123SBS01
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:10:48 PM

Quant Time: Jan 24 04:13:53 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	82430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	133907	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	122326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	61515	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	45553	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
35) Dibromofluoromethane	4.64	113	40346	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	7.36	98	154152	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	10.12	95	59155	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	12316m	18.472	ug/l	
3) Chloromethane	1.25	50	14528	16.187	ug/l	99
4) Vinyl Chloride	1.32	62	17599	17.259	ug/l	97
5) Bromomethane	1.53	94	10258	17.738	ug/l	93
6) Chloroethane	1.60	64	10269	18.017	ug/l	100
7) Trichlorofluoromethane	1.76	101	10578	14.781	ug/l	96
8) Diethyl Ether	1.96	74	7975	17.719	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	15629	17.576	ug/l	99
10) Methyl Iodide	2.25	142	24245	17.083	ug/l	97
11) Tert butyl alcohol	2.65	59	7057	103.948	ug/l #	94
12) 1,1-Dichloroethene	2.14	96	15858	18.164	ug/l	88
13) Acrolein	2.06	56	4577	76.729	ug/l	94
14) Allyl chloride	2.42	41	25130	16.701	ug/l	99
15) Acrylonitrile	2.76	53	19552	100.284	ug/l	98
16) Acetone	2.17	43	28346	103.930	ug/l	97
17) Carbon Disulfide	2.31	76	43430	16.262	ug/l	97
18) Methyl Acetate	2.45	43	13787	18.926	ug/l	95
19) Methyl tert-butyl Ether	2.79	73	24442	18.035	ug/l	97
20) Methylene Chloride	2.52	84	17486	16.644	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	16251	17.277	ug/l	94
22) Diisopropyl ether	3.32	45	56405	17.604	ug/l	93
23) Vinyl Acetate	3.30	43	165387	95.131	ug/l	99
24) 1,1-Dichloroethane	3.22	63	33788	16.950	ug/l	98
25) 2-Butanone	4.01	43	33141	106.260	ug/l	99
26) 2,2-Dichloropropane	3.95	77	18052	16.091	ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	20187	17.757	ug/l	96
28) Bromochloromethane	4.29	49	13882	18.871	ug/l	98
29) Tetrahydrofuran	4.38	42	18384	108.376	ug/l	96
30) Chloroform	4.42	83	34429	17.196	ug/l	97
31) Cyclohexane	4.72	56	32557	17.890	ug/l	91
32) 1,1,1-Trichloroethane	4.65	97	28632	16.967	ug/l	98
36) 1,1-Dichloropropene	4.87	75	26526	17.842	ug/l	99
37) Ethyl Acetate	4.12	43	13234	23.162	ug/l	98
38) Carbon Tetrachloride	4.87	117	26766	17.983	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	32485	18.451	ug/l	98
40) Benzene	5.14	78	74783	17.984	ug/l	99
41) Methacrylonitrile	4.31	41	7341	21.318	ug/l	97
42) 1,2-Dichloroethane	5.17	62	23568	18.110	ug/l	97
43) Isopropyl Acetate	5.32	43	23871	21.240	ug/l	99
44) Trichloroethene	5.95	130	19265	17.606	ug/l	98
45) 1,2-Dichloropropane	6.22	63	18557	18.553	ug/l	96
46) Dibromomethane	6.35	93	10264	19.999	ug/l	96
47) Bromodichloromethane	6.55	83	24284	17.906	ug/l	95
48) Methyl methacrylate	6.42	41	11535	20.113	ug/l	96
49) 1,4-Dioxane	6.41	88	2807	429.358	ug/l	99
51) 4-Methyl-2-Pentanone	7.27	43	59289	103.948	ug/l	99
52) Toluene	7.43	92	48060	18.271	ug/l	96
53) t-1,3-Dichloropropene	7.69	75	23550	17.841	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	27111	17.837	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	14987	20.725	ug/l	99
56) Ethyl methacrylate	7.83	69	16182	19.207	ug/l	96
57) 1,3-Dichloropropane	8.05	76	25512	19.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	378	28.711	ug/l #	52
59) 2-Hexanone	8.18	43	45509	110.314	ug/l	100
60) Dibromochloromethane	8.29	129	16052	18.959	ug/l	98
61) 1,2-Dibromoethane	8.40	107	14092	19.928	ug/l	100
64) Tetrachloroethene	8.02	164	16184	18.592	ug/l	99
65) Chlorobenzene	8.92	112	51485	18.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	17688	18.186	ug/l	97
67) Ethyl Benzene	9.05	91	89959	17.744	ug/l	99
68) m/p-Xylenes	9.18	106	68471	35.574	ug/l	97
69) o-Xylene	9.59	106	32187	18.037	ug/l	99
70) Styrene	9.60	104	51535	18.096	ug/l	98
71) Bromoform	9.77	173	9000	19.623	ug/l #	96
73) Isopropylbenzene	9.97	105	91623	18.037	ug/l	99
74) N-amyl acetate	9.84	43	17870	19.024	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	18071	21.102	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	14356m	21.316	ug/l	
77) Bromobenzene	10.26	156	20380	18.757	ug/l	98
78) n-propylbenzene	10.40	91	106262	17.646	ug/l	99
79) 2-Chlorotoluene	10.47	91	63845	17.571	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	76600	17.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	4718	19.825	ug/l	96
82) 4-Chlorotoluene	10.58	91	76390	17.850	ug/l	99
83) tert-Butylbenzene	10.91	119	72294	17.822	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	76758	17.861	ug/l	100
85) sec-Butylbenzene	11.13	105	96187	18.104	ug/l	99
86) p-Isopropyltoluene	11.29	119	83316	17.909	ug/l	99
87) 1,3-Dichlorobenzene	11.22	146	41191	18.258	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	42479	18.626	ug/l	99
89) n-Butylbenzene	11.70	91	79344	17.571	ug/l	100
90) Hexachloroethane	11.95	117	14455	17.473	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	38044	19.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3130	21.771	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	24042	18.754	ug/l	97
94) Hexachlorobutadiene	13.49	225	15129	19.041	ug/l	99
95) Naphthalene	13.55	128	43929	19.818	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	21210	19.538	ug/l	99

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

