

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009264.D
 Acq On : 24 Jan 2019 17:58
 Operator : SY/MD
 Sample : VV0124SBS01
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:53 AM

Quant Time: Jan 24 23:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	75277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	125888	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	116544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	61355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	48481	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	4.64	113	43220	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	7.36	98	166983	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	10.12	95	63802	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	11398	18.116	ug/l	98
3) Chloromethane	1.25	50	15106	17.663	ug/l	98
4) Vinyl Chloride	1.33	62	17297	19.965	ug/l	97
5) Bromomethane	1.53	94	9278	18.927	ug/l	97
6) Chloroethane	1.59	64	8450	18.596	ug/l	94
7) Trichlorofluoromethane	1.75	101	7451	18.205	ug/l	93
8) Diethyl Ether	1.96	74	9039	22.181	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.14	101	15642	21.467	ug/l	96
10) Methyl Iodide	2.26	142	24637	20.524	ug/l	98
11) Tert butyl alcohol	2.66	59	12418	160.803	ug/l #	94
12) 1,1-Dichloroethene	2.14	96	15703	20.740	ug/l	97
13) Acrolein	2.05	56	5428	123.912	ug/l	97
14) Allyl chloride	2.42	41	23468	20.751	ug/l	97
15) Acrylonitrile	2.76	53	23137	121.232	ug/l	99
16) Acetone	2.18	43	24663	98.247	ug/l	99
17) Carbon Disulfide	2.32	76	43762	20.588	ug/l	99
18) Methyl Acetate	2.45	43	15444	24.571	ug/l	99
19) Methyl tert-butyl Ether	2.80	73	26925	22.718	ug/l	98
20) Methylene Chloride	2.53	84	19289	22.654	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	16584	21.152	ug/l	97
22) Diisopropyl ether	3.33	45	57797	21.383	ug/l	90
23) Vinyl Acetate	3.30	43	183231	109.958	ug/l	100
24) 1,1-Dichloroethane	3.22	63	34681	20.775	ug/l	99
25) 2-Butanone	4.02	43	36341	110.462	ug/l	95
26) 2,2-Dichloropropane	3.95	77	16818	19.866	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	20906	21.028	ug/l	98
28) Bromochloromethane	4.29	49	14507	21.662	ug/l	98
29) Tetrahydrofuran	4.39	42	23448	125.050	ug/l	98
30) Chloroform	4.42	83	34695	20.684	ug/l	93
31) Cyclohexane	4.72	56	30475	19.802	ug/l	95
32) 1,1,1-Trichloroethane	4.65	97	27588	21.154	ug/l	100
36) 1,1-Dichloropropene	4.87	75	26340	20.897	ug/l	98
37) Ethyl Acetate	4.13	43	15249	21.846	ug/l	97
38) Carbon Tetrachloride	4.87	117	25673	20.596	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	31828	20.147	ug/l	96
40) Benzene	5.14	78	77414	20.846	ug/l	99
41) Methacrylonitrile	4.31	41	8449	23.007	ug/l	97
42) 1,2-Dichloroethane	5.18	62	25403	21.999	ug/l	98
43) Isopropyl Acetate	5.33	43	28389	23.249	ug/l	99
44) Trichloroethene	5.96	130	20659	20.845	ug/l	96
45) 1,2-Dichloropropane	6.22	63	18698	20.453	ug/l	98
46) Dibromomethane	6.35	93	11350	22.161	ug/l	99
47) Bromodichloromethane	6.55	83	24801	20.587	ug/l	97
48) Methyl methacrylate	6.42	41	13675	22.576	ug/l	97
49) 1,4-Dioxane	6.41	88	3764	468.365	ug/l	90
51) 4-Methyl-2-Pentanone	7.27	43	71695	111.565	ug/l	97
52) Toluene	7.43	92	49556	21.132	ug/l	96
53) t-1,3-Dichloropropene	7.69	75	25617	21.027	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	28553	20.659	ug/l	97
55) 1,1,2-Trichloroethane	7.88	97	15696	21.979	ug/l	96
56) Ethyl methacrylate	7.83	69	18825	21.818	ug/l	95
57) 1,3-Dichloropropane	8.05	76	28526	22.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1633	71.527	ug/l	97
59) 2-Hexanone	8.19	43	51916	112.377	ug/l	97
60) Dibromochloromethane	8.29	129	17247	21.128	ug/l	96
61) 1,2-Dibromoethane	8.40	107	16253	22.651	ug/l	98
64) Tetrachloroethene	8.02	164	17781	22.127	ug/l	98
65) Chlorobenzene	8.93	112	53703	20.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	18241	20.785	ug/l	99
67) Ethyl Benzene	9.05	91	90348	20.261	ug/l	98
68) m/p-Xylenes	9.18	106	71430	41.759	ug/l	97
69) o-Xylene	9.59	106	32175	20.128	ug/l	98
70) Styrene	9.60	104	54173	20.811	ug/l	99
71) Bromoform	9.77	173	10347	21.869	ug/l #	100
73) Isopropylbenzene	9.97	105	92536	20.309	ug/l	100
74) N-amyl acetate	9.84	43	22774	21.361	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	21176	22.601	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	16860m	23.280	ug/l	
77) Bromobenzene	10.26	156	21786	20.493	ug/l	98
78) n-propylbenzene	10.40	91	107918	20.019	ug/l	100
79) 2-Chlorotoluene	10.47	91	65987	20.310	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	77663	20.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5361	21.026	ug/l	99
82) 4-Chlorotoluene	10.58	91	77245	20.055	ug/l	99
83) tert-Butylbenzene	10.91	119	73764	19.935	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	78924	20.061	ug/l	100
85) sec-Butylbenzene	11.13	105	95537	19.812	ug/l	99
86) p-Isopropyltoluene	11.29	119	84909	19.953	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	43010	19.977	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	43450	19.771	ug/l	96
89) n-Butylbenzene	11.70	91	80137	19.446	ug/l	100
90) Hexachloroethane	11.95	117	14266	18.953	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	39799	20.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3573	22.842	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	26793	19.793	ug/l	99
94) Hexachlorobutadiene	13.49	225	15667	20.247	ug/l	98
95) Naphthalene	13.55	128	54600	20.135	ug/l	100
96) 1,2,3-Trichlorobenzene	13.80	180	24525	20.540	ug/l	98

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

