

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009240.D
 Acq On : 22 Jan 2019 18:04
 Operator : SY/MD
 Sample : VV0122SBS01
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:43 AM

Quant Time: Jan 23 01:58:23 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	92279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159287	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	145461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	72497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	56455	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	4.64	113	49884	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	7.36	98	194872	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	10.12	95	72906	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	13658	18.298	ug/l	99
3) Chloromethane	1.25	50	19852	19.758	ug/l	98
4) Vinyl Chloride	1.32	62	21647	18.962	ug/l	97
5) Bromomethane	1.52	94	13025	20.119	ug/l	97
6) Chloroethane	1.59	64	12198	19.118	ug/l	95
7) Trichlorofluoromethane	1.76	101	13446	16.783	ug/l	97
8) Diethyl Ether	1.96	74	10346	20.533	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	19485	19.573	ug/l	98
10) Methyl Iodide	2.25	142	31189	19.630	ug/l	99
11) Tert butyl alcohol	2.65	59	8548	114.401	ug/l	95
12) 1,1-Dichloroethene	2.13	96	18891	19.328	ug/l	99
13) Acrolein	2.05	56	7160	114.013	ug/l	91
14) Allyl chloride	2.42	41	32198	19.114	ug/l	99
15) Acrylonitrile	2.76	53	22923	105.026	ug/l	97
16) Acetone	2.17	43	28739	94.125	ug/l	95
17) Carbon Disulfide	2.31	76	57543	19.246	ug/l	99
18) Methyl Acetate	2.44	43	15250	18.700	ug/l	99
19) Methyl tert-butyl Ether	2.80	73	30343	20.000	ug/l	98
20) Methylene Chloride	2.52	84	23326	20.692	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	20746	19.701	ug/l	96
22) Diisopropyl ether	3.32	45	71822	20.023	ug/l	96
23) Vinyl Acetate	3.30	43	201749	103.661	ug/l	98
24) 1,1-Dichloroethane	3.22	63	42778	19.169	ug/l	99
25) 2-Butanone	4.01	43	37348	106.968	ug/l	99
26) 2,2-Dichloropropane	3.94	77	23716	18.883	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	25358	19.925	ug/l	98
28) Bromochloromethane	4.29	49	17635	21.414	ug/l	94
29) Tetrahydrofuran	4.38	42	21887	115.256	ug/l	95
30) Chloroform	4.42	83	43457	19.389	ug/l	99
31) Cyclohexane	4.72	56	39002	19.144	ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	35901	19.004	ug/l	99
36) 1,1-Dichloropropene	4.87	75	32667	18.471	ug/l	100
37) Ethyl Acetate	4.12	43	15033	22.118	ug/l	98
38) Carbon Tetrachloride	4.87	117	33539	18.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	40315	19.250	ug/l	98
40) Benzene	5.14	78	94722	19.150	ug/l	99
41) Methacrylonitrile	4.30	41	8492	20.731	ug/l	97
42) 1,2-Dichloroethane	5.17	62	29924	19.330	ug/l	99
43) Isopropyl Acetate	5.32	43	28573	21.373	ug/l	98
44) Trichloroethene	5.96	130	24345	18.704	ug/l	98
45) 1,2-Dichloropropane	6.22	63	23275	19.562	ug/l	96
46) Dibromomethane	6.35	93	12455	20.401	ug/l	97
47) Bromodichloromethane	6.55	83	30868	19.134	ug/l	95
48) Methyl methacrylate	6.42	41	13954	20.455	ug/l	98
49) 1,4-Dioxane	6.41	88	3397	436.813	ug/l	91
51) 4-Methyl-2-Pentanone	7.27	43	69092	101.834	ug/l	100
52) Toluene	7.43	92	59455	19.002	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	30113	19.178	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	34386	19.019	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	17350	20.170	ug/l	97
56) Ethyl methacrylate	7.83	69	20044	20.001	ug/l	95
57) 1,3-Dichloropropane	8.05	76	30966	19.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1094	69.855	ug/l	93
59) 2-Hexanone	8.18	43	51595	105.139	ug/l	97
60) Dibromochloromethane	8.29	129	19292	19.155	ug/l	98
61) 1,2-Dibromoethane	8.40	107	17514	20.821	ug/l	94
64) Tetrachloroethene	8.02	164	20309	19.620	ug/l	99
65) Chlorobenzene	8.92	112	65811	19.447	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	22157	19.158	ug/l	97
67) Ethyl Benzene	9.05	91	114857	19.051	ug/l	99
68) m/p-Xylenes	9.18	106	86285	37.699	ug/l	100
69) o-Xylene	9.59	106	40747	19.203	ug/l	100
70) Styrene	9.60	104	64935	19.174	ug/l	99
71) Bromoform	9.77	173	10635	19.500	ug/l #	95
73) Isopropylbenzene	9.97	105	113071	18.887	ug/l	100
74) N-amyl acetate	9.84	43	22576	20.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	21211	21.016	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	16660m	20.990	ug/l	
77) Bromobenzene	10.26	156	25022	19.541	ug/l	99
78) n-propylbenzene	10.40	91	134730	18.984	ug/l	99
79) 2-Chlorotoluene	10.47	91	81873	19.120	ug/l	97
80) 1,3,5-Trimethylbenzene	10.58	105	95844	19.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5409	19.285	ug/l	94
82) 4-Chlorotoluene	10.58	91	96707	19.174	ug/l	100
83) tert-Butylbenzene	10.91	119	89678	18.758	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	97367	19.224	ug/l	100
85) sec-Butylbenzene	11.13	105	120052	19.173	ug/l	99
86) p-Isopropyltoluene	11.29	119	103310	18.843	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	51304	19.296	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	51607	19.200	ug/l	99
89) n-Butylbenzene	11.70	91	100398	18.866	ug/l	100
90) Hexachloroethane	11.95	117	18050	18.514	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	45032	19.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3453	20.379	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	28567	18.908	ug/l	99
94) Hexachlorobutadiene	13.49	225	17727	18.931	ug/l	99
95) Naphthalene	13.55	128	49498	18.947	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	24078	18.820	ug/l	99

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

