

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064811.D
 Acq On : 09 Jan 2020 12:28
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:06 AM

Quant Time: Jan 09 14:22:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192711	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	7.92	113	191653	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.34	98	731738	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.64	95	230705	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65950	21.497	ug/l	99
3) Chloromethane	2.21	50	97665	22.763	ug/l	98
4) Vinyl Chloride	2.35	62	114509	21.889	ug/l	97
5) Bromomethane	2.76	94	81516	21.431	ug/l	97
6) Chloroethane	2.92	64	80106	22.853	ug/l	99
7) Trichlorofluoromethane	3.27	101	193327	21.948	ug/l	95
8) Diethyl Ether	3.71	74	36443	20.835	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85496	23.437	ug/l	98
10) Methyl Iodide	4.29	142	82380	21.024	ug/l	99
11) Tert butyl alcohol	5.25	59	21082	105.678	ug/l	98
12) 1,1-Dichloroethene	4.06	96	77618	22.349	ug/l	98
13) Acrolein	3.92	56	23579	84.810	ug/l	97
14) Allyl chloride	4.71	41	121731	22.481	ug/l	99
15) Acrylonitrile	5.43	53	83124	114.090	ug/l	99
16) Acetone	4.17	43	84787	110.649	ug/l #	88
17) Carbon Disulfide	4.40	76	238155	21.207	ug/l	98
18) Methyl Acetate	4.72	43	43848	22.375	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	167561	21.722	ug/l	96
20) Methylene Chloride	4.96	84	93392	23.659	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	86859	21.961	ug/l	99
22) Diisopropyl ether	6.37	45	243606	22.555	ug/l	97
23) Vinyl Acetate	6.31	43	671741	109.643	ug/l	99
24) 1,1-Dichloroethane	6.27	63	148363	22.882	ug/l	100
25) 2-Butanone	7.22	43	106857	111.680	ug/l	99
26) 2,2-Dichloropropane	7.21	77	140067	23.235	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	94897	22.231	ug/l	96
28) Bromochloromethane	7.55	49	52052	20.652	ug/l	98
29) Tetrahydrofuran	7.57	42	62226	104.578	ug/l	100
30) Chloroform	7.71	83	155104	22.801	ug/l	98
31) Cyclohexane	7.98	56	141080	21.737	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	146909	22.992	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124126	22.291	ug/l	98
37) Ethyl Acetate	7.30	43	49563	22.657	ug/l	98
38) Carbon Tetrachloride	8.10	117	133315	22.453	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144202	21.381	ug/l	93
40) Benzene	8.35	78	342677	22.543	ug/l	100
41) Methacrylonitrile	7.53	41	27344	21.544	ug/l	93
42) 1,2-Dichloroethane	8.43	62	98210	22.358	ug/l	100
43) Isopropyl Acetate	8.46	43	92717	21.294	ug/l	100
44) Trichloroethene	9.11	130	100691	22.548	ug/l	95
45) 1,2-Dichloropropane	9.39	63	83080	22.891	ug/l	97
46) Dibromomethane	9.48	93	44742	22.111	ug/l	97
47) Bromodichloromethane	9.67	83	119107	22.120	ug/l	100
48) Methyl methacrylate	9.46	41	43840	21.384	ug/l	93
49) 1,4-Dioxane	9.47	88	9668	414.354	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	235461	109.408	ug/l	100
52) Toluene	10.41	92	218821	21.941	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109887	21.889	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	133727	22.591	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58849	21.580	ug/l	97
56) Ethyl methacrylate	10.66	69	72791	21.373	ug/l	96
57) 1,3-Dichloropropane	10.96	76	101706	21.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148028	114.082	ug/l	99
59) 2-Hexanone	10.99	43	166503	113.989	ug/l	97
60) Dibromochloromethane	11.14	129	81826	21.698	ug/l	98
61) 1,2-Dibromoethane	11.25	107	58387	21.707	ug/l	97
64) Tetrachloroethene	10.88	164	85360	21.978	ug/l	92
65) Chlorobenzene	11.67	112	233500	22.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	87658	22.130	ug/l	99
67) Ethyl Benzene	11.75	91	421453	22.099	ug/l	98
68) m/p-Xylenes	11.86	106	320385	43.524	ug/l	97
69) o-Xylene	12.18	106	142195	21.386	ug/l	99
70) Styrene	12.20	104	249932	21.415	ug/l	99
71) Bromoform	12.37	173	48280	21.373	ug/l #	100
73) Isopropylbenzene	12.48	105	403251	22.940	ug/l	98
74) N-amyl acetate	12.30	43	83629	22.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63056	22.835	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	47569m	24.489	ug/l	
77) Bromobenzene	12.77	156	96272	22.289	ug/l	98
78) n-propylbenzene	12.83	91	475086	23.166	ug/l	98
79) 2-Chlorotoluene	12.91	91	252997	22.457	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	325405	22.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21828	23.503	ug/l	99
82) 4-Chlorotoluene	13.01	91	272118	22.698	ug/l	99
83) tert-Butylbenzene	13.23	119	281419	22.446	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	325398	22.627	ug/l	99
85) sec-Butylbenzene	13.41	105	389988	22.689	ug/l	99
86) p-Isopropyltoluene	13.53	119	359583	21.879	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	181643	22.060	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	179653	22.210	ug/l	98
89) n-Butylbenzene	13.85	91	334788	22.620	ug/l	98
90) Hexachloroethane	14.12	117	70889	22.580	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	157870	22.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9659	21.577	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109192	21.121	ug/l	99
94) Hexachlorobutadiene	15.28	225	71026	21.833	ug/l	97
95) Naphthalene	15.41	128	162675	19.890	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91936	20.831	ug/l	98

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

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