

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067035.D
 Acq On : 02 Oct 2020 15:03
 Operator : VA/SY
 Sample : L4213-03MSD
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:30 PM

Quant Time: Oct 03 05:08:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	502120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185516	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.91	113	207614	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	741664	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.63	95	209799	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173653	54.791	ug/l	97
3) Chloromethane	2.21	50	146059	46.182	ug/l	99
4) Vinyl Chloride	2.35	62	152187	47.990	ug/l	99
5) Bromomethane	2.77	94	115898	57.334	ug/l	99
6) Chloroethane	2.93	64	93449	48.387	ug/l	98
7) Trichlorofluoromethane	3.27	101	344503	48.896	ug/l	98
8) Diethyl Ether	3.71	74	83703	47.907	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	195472	49.085	ug/l	98
10) Methyl Iodide	4.30	142	212099	54.814	ug/l	99
11) Tert butyl alcohol	5.22	59	40553	164.224	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	181037	48.358	ug/l	96
13) Acrolein	3.93	56	48937	191.061	ug/l	99
14) Allyl chloride	4.71	41	244068	50.185	ug/l	99
15) Acrylonitrile	5.43	53	147381	229.194	ug/l	98
16) Acetone	4.16	43	140930	241.353	ug/l	97
17) Carbon Disulfide	4.41	76	494520	43.043	ug/l	98
18) Methyl Acetate	4.73	43	87614	59.700	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	344145	50.357	ug/l	95
20) Methylene Chloride	4.97	84	216851	52.731	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	199635	46.858	ug/l	98
22) Diisopropyl ether	6.36	45	464571	52.324	ug/l	98
23) Vinyl Acetate	6.31	43	1060814	210.844	ug/l	98
24) 1,1-Dichloroethane	6.27	63	350170	51.104	ug/l	96
25) 2-Butanone	7.21	43	178515	215.635	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311032	53.361	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	221482	48.676	ug/l	99
28) Bromochloromethane	7.55	49	133669	50.513	ug/l	99
29) Tetrahydrofuran	7.57	42	109515	230.068	ug/l	97
30) Chloroform	7.71	83	372123	50.063	ug/l	98
31) Cyclohexane	7.98	56	248540	43.265	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	346694	50.327	ug/l	99
36) 1,1-Dichloropropene	8.11	75	265521	46.786	ug/l	99
37) Ethyl Acetate	7.29	43	83783	42.615	ug/l	98
38) Carbon Tetrachloride	8.10	117	315166	51.326	ug/l	96

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Quant Time: Oct 03 05:08:57 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	239030	39.838	ug/l	94
40) Benzene	8.35	78	802889	50.935	ug/l	98
41) Methacrylonitrile	7.51	41	51048m	48.061	ug/l	
42) 1,2-Dichloroethane	8.43	62	214448	48.686	ug/l	99
43) Isopropyl Acetate	8.45	43	161953	44.715	ug/l	99
44) Trichloroethene	9.11	130	224997	47.800	ug/l	99
45) 1,2-Dichloropropane	9.38	63	193297	52.190	ug/l	96
46) Dibromomethane	9.47	93	101530	47.695	ug/l	99
47) Bromodichloromethane	9.66	83	283286	51.195	ug/l	92
48) Methyl methacrylate	9.46	41	83690	45.103	ug/l #	84
49) 1,4-Dioxane	9.46	88	20283	912.945	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	425740	235.992	ug/l	98
52) Toluene	10.40	92	519942	51.205	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	226582	45.816	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	292065	48.363	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	142990	48.314	ug/l	95
56) Ethyl methacrylate	10.66	69	152817	50.012	ug/l	96
57) 1,3-Dichloropropane	10.94	76	235234	49.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	437493	257.245	ug/l	99
59) 2-Hexanone	10.98	43	284510	236.285	ug/l	98
60) Dibromochloromethane	11.14	129	192947	48.914	ug/l	97
61) 1,2-Dibromoethane	11.24	107	133611	46.991	ug/l	98
64) Tetrachloroethene	10.87	164	196749	53.898	ug/l	96
65) Chlorobenzene	11.67	112	507736	50.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	212953	56.059	ug/l	99
67) Ethyl Benzene	11.74	91	905612	52.926	ug/l	99
68) m/p-Xylenes	11.86	106	697224	104.557	ug/l	99
69) o-Xylene	12.18	106	324359	54.393	ug/l	95
70) Styrene	12.20	104	522678	51.044	ug/l	99
71) Bromoform	12.36	173	104226	52.857	ug/l #	96
73) Isopropylbenzene	12.48	105	835168	63.497	ug/l	99
74) N-amyl acetate	12.29	43	137963	58.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	135639	61.207	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	92503m	54.825	ug/l	
77) Bromobenzene	12.76	156	192724	60.683	ug/l	98
78) n-propylbenzene	12.83	91	894835	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	534540	60.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	687915	61.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40572	59.951	ug/l	98
82) 4-Chlorotoluene	13.01	91	525340	55.519	ug/l	100
83) tert-Butylbenzene	13.23	119	552650	59.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	673685	60.747	ug/l	100
85) sec-Butylbenzene	13.41	105	687966	52.205	ug/l	100
86) p-Isopropyltoluene	13.52	119	639224	52.320	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	314830	50.893	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	307937	49.784	ug/l	99
89) n-Butylbenzene	13.85	91	462664	41.435	ug/l	98
90) Hexachloroethane	14.11	117	120104	56.120	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	286137	52.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21007	58.806	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123224	35.262	ug/l	99
94) Hexachlorobutadiene	15.27	225	56926	26.525	ug/l	98
95) Naphthalene	15.41	128	266449	45.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111564	36.776	ug/l	97

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

