

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066867.D
 Acq On : 25 Sep 2020 12:04
 Operator : VA/SY
 Sample : VD0925SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:17 AM

Quant Time: Sep 25 14:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	405015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	631670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	192710	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	7.91	113	205063	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.34	98	712460	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.63	95	248491	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	75141	23.526	ug/l	92
3) Chloromethane	2.21	50	79041	21.241	ug/l	94
4) Vinyl Chloride	2.35	62	75984	20.668	ug/l	97
5) Bromomethane	2.76	94	51608	19.972	ug/l	94
6) Chloroethane	2.92	64	46669	20.442	ug/l	99
7) Trichlorofluoromethane	3.27	101	156527	20.731	ug/l	99
8) Diethyl Ether	3.71	74	39206	20.454	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90463	20.663	ug/l	99
10) Methyl Iodide	4.30	142	72810	18.846	ug/l	98
11) Tert butyl alcohol	5.21	59	27482	82.778	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	78011	19.670	ug/l	96
13) Acrolein	3.92	56	28245	96.587	ug/l	87
14) Allyl chloride	4.71	41	113167	19.432	ug/l	98
15) Acrylonitrile	5.42	53	84096	99.001	ug/l	98
16) Acetone	4.16	43	78215	93.010	ug/l	99
17) Carbon Disulfide	4.41	76	247693	20.428	ug/l	98
18) Methyl Acetate	4.72	43	37122	17.420	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	167775	19.480	ug/l	98
20) Methylene Chloride	4.96	84	109296	20.667	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	93049	20.262	ug/l	97
22) Diisopropyl ether	6.37	45	238477	19.916	ug/l	94
23) Vinyl Acetate	6.31	43	578193	90.659	ug/l	96
24) 1,1-Dichloroethane	6.27	63	157263	19.632	ug/l	98
25) 2-Butanone	7.21	43	96983	95.969	ug/l	90
26) 2,2-Dichloropropane	7.21	77	146434	19.944	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	100510	20.144	ug/l	98
28) Bromochloromethane	7.55	49	63910	19.312	ug/l	98
29) Tetrahydrofuran	7.56	42	63159	97.539	ug/l	99
30) Chloroform	7.71	83	166744	19.311	ug/l	97
31) Cyclohexane	7.98	56	141108	19.577	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	157394	20.150	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129045	20.592	ug/l	99
37) Ethyl Acetate	7.29	43	44295	19.552	ug/l	98
38) Carbon Tetrachloride	8.09	117	140097	20.448	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147069	20.440	ug/l	97
40) Benzene	8.35	78	360929	20.666	ug/l	97
41) Methacrylonitrile	7.52	41	22256	15.975	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	103984	20.140	ug/l	99
43) Isopropyl Acetate	8.45	43	84826	19.421	ug/l	98
44) Trichloroethene	9.11	130	103422	20.775	ug/l	99
45) 1,2-Dichloropropane	9.38	63	85799	19.525	ug/l	92
46) Dibromomethane	9.47	93	47924	20.073	ug/l	93
47) Bromodichloromethane	9.66	83	131262	20.466	ug/l	96
48) Methyl methacrylate	9.45	41	40731	18.914	ug/l	97
49) 1,4-Dioxane	9.46	88	13150	426.133	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	223261	100.880	ug/l	100
52) Toluene	10.40	92	240668	21.393	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	113265	20.749	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	136277	20.474	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	70485	21.475	ug/l	100
56) Ethyl methacrylate	10.66	69	68370	19.445	ug/l	93
57) 1,3-Dichloropropane	10.94	76	112822	20.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	192828	115.824	ug/l	99
59) 2-Hexanone	10.98	43	151666	101.620	ug/l	99
60) Dibromochloromethane	11.14	129	87374	20.397	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64137	21.009	ug/l	99
64) Tetrachloroethene	10.87	164	89475	21.208	ug/l	97
65) Chlorobenzene	11.67	112	249115	20.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	93617	20.260	ug/l	99
67) Ethyl Benzene	11.74	91	428100	19.965	ug/l	99
68) m/p-Xylenes	11.86	106	339076	41.765	ug/l	98
69) o-Xylene	12.18	106	147281	20.063	ug/l	99
70) Styrene	12.19	104	263117	20.639	ug/l	99
71) Bromoform	12.36	173	48396	20.686	ug/l #	95
73) Isopropylbenzene	12.48	105	415446	20.476	ug/l	99
74) N-amyl acetate	12.28	43	78018	19.690	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	72697	20.764	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54433m	23.386	ug/l	
77) Bromobenzene	12.76	156	101062	21.297	ug/l	95
78) n-propylbenzene	12.82	91	498999	20.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	284715	20.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	354619	20.598	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18779	20.185	ug/l	95
82) 4-Chlorotoluene	13.00	91	308675	21.052	ug/l	99
83) tert-Butylbenzene	13.23	119	290775	20.554	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	354391	20.759	ug/l	99
85) sec-Butylbenzene	13.40	105	416387	20.468	ug/l	100
86) p-Isopropyltoluene	13.52	119	381578	20.809	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194907	20.790	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	191794	20.598	ug/l	99
89) n-Butylbenzene	13.84	91	356146	20.434	ug/l	99
90) Hexachloroethane	14.11	117	74518	20.017	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	168051	20.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10725	19.043	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	102158	20.233	ug/l	97
94) Hexachlorobutadiene	15.27	225	64239	21.231	ug/l	98
95) Naphthalene	15.41	128	166990	19.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89142	20.455	ug/l	99

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

