

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066881.D
 Acq On : 25 Sep 2020 18:28
 Operator : VA/SY
 Sample : L4127-05MSD
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:24 AM

Quant Time: Sep 26 04:42:55 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	7.98	168	337447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	572889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	455658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141670	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	168123	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.91	113	178283	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.34	98	552577	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
62) 4-Bromofluorobenzene	12.63	95	155002	36.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	126216	54.120	ug/l	92
3) Chloromethane	2.21	50	152332	49.133	ug/l	98
4) Vinyl Chloride	2.35	62	147460	48.142	ug/l	99
5) Bromomethane	2.77	94	112341	52.181	ug/l	99
6) Chloroethane	2.92	64	96211	50.581	ug/l	93
7) Trichlorofluoromethane	3.27	101	298695	47.482	ug/l	99
8) Diethyl Ether	3.71	74	91897	57.543	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	154315	42.305	ug/l	100
10) Methyl Iodide	4.30	142	174403	54.182	ug/l	97
11) Tert butyl alcohol	5.22	59	53157	270.298	ug/l	97
12) 1,1-Dichloroethene	4.06	96	168866	51.104	ug/l	96
13) Acrolein	3.93	56	69646	285.849	ug/l	94
14) Allyl chloride	4.72	41	255557	52.669	ug/l	97
15) Acrylonitrile	5.42	53	194536	274.872	ug/l	99
16) Acetone	4.16	43	188353	268.831	ug/l	95
17) Carbon Disulfide	4.41	76	468592	46.385	ug/l	99
18) Methyl Acetate	4.72	43	118036	77.501	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	434190	60.506	ug/l	96
20) Methylene Chloride	4.97	84	234275	63.531	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	202618	52.957	ug/l	97
22) Diisopropyl ether	6.36	45	594471	59.587	ug/l	98
23) Vinyl Acetate	6.31	43	1177008	217.649	ug/l	96
24) 1,1-Dichloroethane	6.26	63	355643	53.287	ug/l	97
25) 2-Butanone	7.21	43	233370	277.169	ug/l	97
26) 2,2-Dichloropropane	7.21	77	290329	47.461	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	231116	55.595	ug/l	97
28) Bromochloromethane	7.55	49	151400	54.910	ug/l #	98
29) Tetrahydrofuran	7.56	42	150299	278.591	ug/l	97
30) Chloroform	7.71	83	382889	53.221	ug/l	100
31) Cyclohexane	7.98	56	183868	30.617	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	323685	49.736	ug/l	99
36) 1,1-Dichloropropene	8.11	75	245866	43.259	ug/l	99
37) Ethyl Acetate	7.29	43	99842	48.593	ug/l	98
38) Carbon Tetrachloride	8.10	117	264574	42.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	127876	19.596	ug/l	96
40) Benzene	8.35	78	795840	50.243	ug/l	99
41) Methacrylonitrile	7.52	41	56247	44.516	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	238639	50.962	ug/l	100
43) Isopropyl Acetate	8.45	43	196824	49.687	ug/l	97
44) Trichloroethene	9.11	130	200042	44.307	ug/l	99
45) 1,2-Dichloropropane	9.38	63	199381	50.029	ug/l	98
46) Dibromomethane	9.47	93	110862	51.199	ug/l	98
47) Bromodichloromethane	9.66	83	295072	50.728	ug/l #	99
48) Methyl methacrylate	9.46	41	109634	56.134	ug/l	95
49) 1,4-Dioxane	9.46	88	27335	1126.285	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	543842	270.948	ug/l	99
52) Toluene	10.40	92	472212	46.282	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	247819	50.056	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	306140	50.712	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	152942	51.380	ug/l	94
56) Ethyl methacrylate	10.66	69	179654	56.337	ug/l	96
57) 1,3-Dichloropropane	10.94	76	249873	50.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	378512	250.684	ug/l	98
59) 2-Hexanone	10.98	43	379681	280.499	ug/l	99
60) Dibromochloromethane	11.14	129	193994	49.934	ug/l	100
61) 1,2-Dibromoethane	11.24	107	139509	50.388	ug/l	95
64) Tetrachloroethene	10.87	164	154082	47.010	ug/l	97
65) Chlorobenzene	11.67	112	459264	48.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	191934	53.467	ug/l	99
67) Ethyl Benzene	11.74	91	741529	44.514	ug/l	100
68) m/p-Xylenes	11.85	106	567922	90.046	ug/l	99
69) o-Xylene	12.18	106	278805	48.887	ug/l	100
70) Styrene	12.19	104	469893	47.445	ug/l	99
71) Bromoform	12.36	173	100534	55.313	ug/l #	99
73) Isopropylbenzene	12.48	105	556953	54.421	ug/l	99
74) N-amyl acetate	12.28	43	178434	89.280	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	142313	80.586	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	87312m	74.368	ug/l	
77) Bromobenzene	12.76	156	162335	67.822	ug/l	98
78) n-propylbenzene	12.82	91	564365	45.838	ug/l	100
79) 2-Chlorotoluene	12.91	91	378697	53.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	458391	52.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	42274	90.086	ug/l	98
82) 4-Chlorotoluene	13.00	91	389141	52.615	ug/l	98
83) tert-Butylbenzene	13.22	119	312609	43.809	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	506522	58.823	ug/l	99
85) sec-Butylbenzene	13.40	105	335837	32.729	ug/l	99
86) p-Isopropyltoluene	13.51	119	317879	34.368	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	214028	45.260	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	218058	46.428	ug/l	98
89) n-Butylbenzene	13.84	91	225445	25.644	ug/l	93
90) Hexachloroethane	14.11	117	61589	32.798	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	199289	49.259	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21543	75.834	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	57466	22.564	ug/l	91
94) Hexachlorobutadiene	15.27	225	16060	10.523	ug/l	94
95) Naphthalene	15.40	128	245094	56.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	49991	22.742	ug/l #	89

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

