

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066860.D
 Acq On : 24 Sep 2020 19:23
 Operator : VA/SY
 Sample : L4127-05MSD
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:16 PM

Quant Time: Sep 25 02:26:29 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	335801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	570053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	455677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	176980	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.91	113	186201	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.34	98	579028	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	12.63	95	163550	38.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122026	52.393	ug/l	91
3) Chloromethane	2.21	50	148605	48.165	ug/l	95
4) Vinyl Chloride	2.35	62	147528	48.400	ug/l	96
5) Bromomethane	2.77	94	110044	51.364	ug/l	94
6) Chloroethane	2.92	64	94966	50.171	ug/l	92
7) Trichlorofluoromethane	3.27	101	302304	48.292	ug/l	100
8) Diethyl Ether	3.71	74	92793	58.389	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	152849	42.108	ug/l	98
10) Methyl Iodide	4.30	142	167580	52.317	ug/l	97
11) Tert butyl alcohol	5.23	59	52359	266.943	ug/l	98
12) 1,1-Dichloroethene	4.07	96	164544	50.040	ug/l	92
13) Acrolein	3.92	56	58683	242.034	ug/l	100
14) Allyl chloride	4.71	41	253374	52.475	ug/l	97
15) Acrylonitrile	5.42	53	193632	274.936	ug/l	99
16) Acetone	4.16	43	190005	272.519	ug/l	97
17) Carbon Disulfide	4.40	76	464494	46.204	ug/l	98
18) Methyl Acetate	4.72	43	124494	82.376	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	434267	60.814	ug/l	98
20) Methylene Chloride	4.97	84	226904	61.658	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	199399	52.371	ug/l	96
22) Diisopropyl ether	6.37	45	601086	60.545	ug/l	97
23) Vinyl Acetate	6.31	43	1173253	218.013	ug/l	99
24) 1,1-Dichloroethane	6.26	63	357881	53.885	ug/l	99
25) 2-Butanone	7.21	43	225593	269.246	ug/l	95
26) 2,2-Dichloropropane	7.21	77	286199	47.015	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	229580	55.496	ug/l	97
28) Bromochloromethane	7.55	49	166847	60.809	ug/l	96
29) Tetrahydrofuran	7.57	42	150988	281.240	ug/l	96
30) Chloroform	7.71	83	382984	53.495	ug/l	96
31) Cyclohexane	7.98	56	176842	29.592	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	322115	49.737	ug/l	99
36) 1,1-Dichloropropene	8.11	75	244217	43.183	ug/l	99
37) Ethyl Acetate	7.29	43	100599	49.205	ug/l #	95
38) Carbon Tetrachloride	8.10	117	257849	41.703	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	113747	17.518	ug/l	96
40) Benzene	8.35	78	793719	50.358	ug/l	99
41) Methacrylonitrile	7.53	41	65374	51.996	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	237535	50.979	ug/l	100
43) Isopropyl Acetate	8.45	43	195138	49.507	ug/l	98
44) Trichloroethene	9.11	130	199446	44.395	ug/l	99
45) 1,2-Dichloropropane	9.38	63	201301	50.762	ug/l	98
46) Dibromomethane	9.47	93	107664	49.969	ug/l	96
47) Bromodichloromethane	9.66	83	282904	48.878	ug/l #	99
48) Methyl methacrylate	9.46	41	108567	55.865	ug/l	95
49) 1,4-Dioxane	9.46	88	28238	1173.700	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	538127	269.435	ug/l	100
52) Toluene	10.40	92	472811	46.571	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	249656	50.678	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	304050	50.617	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	156480	52.830	ug/l	94
56) Ethyl methacrylate	10.66	69	175849	55.419	ug/l	97
57) 1,3-Dichloropropane	10.94	76	250376	51.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	381097	253.651	ug/l	99
59) 2-Hexanone	10.98	43	375468	278.766	ug/l	99
60) Dibromochloromethane	11.14	129	192897	49.899	ug/l	99
61) 1,2-Dibromoethane	11.24	107	139978	50.809	ug/l	97
64) Tetrachloroethene	10.87	164	139670	42.612	ug/l	98
65) Chlorobenzene	11.67	112	460308	48.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	190105	52.955	ug/l	97
67) Ethyl Benzene	11.74	91	746429	44.806	ug/l	100
68) m/p-Xylenes	11.86	106	565930	89.726	ug/l	99
69) o-Xylene	12.18	106	273376	47.933	ug/l	98
70) Styrene	12.20	104	467614	47.213	ug/l	98
71) Bromoform	12.36	173	100540	55.314	ug/l #	97
73) Isopropylbenzene	12.48	105	539953	54.445	ug/l	99
74) N-amyl acetate	12.28	43	185375	95.716	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	142402	83.213	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	90946m	79.938	ug/l	
77) Bromobenzene	12.76	156	163130	70.331	ug/l	99
78) n-propylbenzene	12.82	91	539205	45.193	ug/l	100
79) 2-Chlorotoluene	12.91	91	376604	55.391	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	447959	53.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41386	91.012	ug/l	91
82) 4-Chlorotoluene	13.01	91	378333	52.788	ug/l	99
83) tert-Butylbenzene	13.23	119	289729	41.900	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	500673	60.001	ug/l	98
85) sec-Butylbenzene	13.40	105	316440	31.824	ug/l	99
86) p-Isopropyltoluene	13.52	119	299247	33.387	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	204297	44.583	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	211452	46.460	ug/l	99
89) n-Butylbenzene	13.84	91	214104	25.132	ug/l	90
90) Hexachloroethane	14.11	117	60010	32.979	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	193739	49.417	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21820	79.263	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	53652	21.739	ug/l #	88
94) Hexachlorobutadiene	15.27	225	15981	10.806	ug/l	94
95) Naphthalene	15.40	128	251228	59.958	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	47171	22.145	ug/l #	87

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

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