

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066542.D
 Acq On : 03 Sep 2020 18:39
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD090320

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:55:01 PM

Quant Time: Sep 04 06:04:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	351514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	549128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236888	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	7.91	113	214931	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
50) Toluene-d8	10.34	98	794800	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.63	95	268303	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	154128	53.364	ug/l	87
3) Chloromethane	2.21	50	220754	49.659	ug/l	97
4) Vinyl Chloride	2.35	62	259634	52.659	ug/l	98
5) Bromomethane	2.77	94	181321	58.988	ug/l	87
6) Chloroethane	2.92	64	165653	52.896	ug/l	95
7) Trichlorofluoromethane	3.27	101	361469	49.628	ug/l	97
8) Diethyl Ether	3.71	74	93873	51.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197165	50.017	ug/l	98
10) Methyl Iodide	4.30	142	197263	54.470	ug/l	98
11) Tert butyl alcohol	5.21	59	71973	275.123	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	183279	51.751	ug/l	98
13) Acrolein	3.92	56	43822	251.999	ug/l	93
14) Allyl chloride	4.71	41	310015	53.413	ug/l	98
15) Acrylonitrile	5.42	53	216477	274.754	ug/l	98
16) Acetone	4.16	43	176114	225.055	ug/l	94
17) Carbon Disulfide	4.41	76	603435	51.830	ug/l	98
18) Methyl Acetate	4.71	43	99338	53.252	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	469080	56.482	ug/l	93
20) Methylene Chloride	4.96	84	225921	53.429	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	220471	52.424	ug/l	98
22) Diisopropyl ether	6.36	45	677388	56.753	ug/l	97
23) Vinyl Acetate	6.30	43	1966463	289.515	ug/l	99
24) 1,1-Dichloroethane	6.26	63	399429	53.216	ug/l	100
25) 2-Butanone	7.21	43	279548	266.117	ug/l	97
26) 2,2-Dichloropropane	7.21	77	345746	50.217	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248616	54.973	ug/l	97
28) Bromochloromethane	7.54	49	167188	57.856	ug/l	98
29) Tetrahydrofuran	7.56	42	179582	274.496	ug/l	98
30) Chloroform	7.71	83	427050	53.780	ug/l	94
31) Cyclohexane	7.98	56	341135	49.167	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	392029	52.510	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320127	51.090	ug/l	99
37) Ethyl Acetate	7.29	43	133019	53.312	ug/l	95
38) Carbon Tetrachloride	8.09	117	337958	51.028	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	371937	53.157	ug/l	98
40) Benzene	8.34	78	891090	51.925	ug/l	98
41) Methacrylonitrile	7.51	41	50006m	41.404	ug/l	
42) 1,2-Dichloroethane	8.42	62	279732	50.309	ug/l	100
43) Isopropyl Acetate	8.45	43	254039	53.129	ug/l	98
44) Trichloroethene	9.11	130	228192	50.692	ug/l	93
45) 1,2-Dichloropropane	9.38	63	221924	51.423	ug/l	94
46) Dibromomethane	9.47	93	123163	51.727	ug/l	97
47) Bromodichloromethane	9.66	83	335138	52.025	ug/l	98
48) Methyl methacrylate	9.45	41	124100	51.327	ug/l	95
49) 1,4-Dioxane	9.46	88	26270	1005.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	648663	268.991	ug/l	99
52) Toluene	10.40	92	566180	52.120	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	301109	52.950	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	356169	52.155	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	159029	51.947	ug/l	95
56) Ethyl methacrylate	10.66	69	198248	55.617	ug/l	95
57) 1,3-Dichloropropane	10.94	76	281612	52.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	409803	251.353	ug/l	100
59) 2-Hexanone	10.98	43	436895	269.411	ug/l	100
60) Dibromochloromethane	11.14	129	214901	53.085	ug/l	100
61) 1,2-Dibromoethane	11.24	107	151102	50.733	ug/l	96
64) Tetrachloroethene	10.87	164	183024	49.502	ug/l	96
65) Chlorobenzene	11.67	112	584219	51.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	222442	51.426	ug/l	99
67) Ethyl Benzene	11.74	91	1095892	52.660	ug/l	100
68) m/p-Xylenes	11.85	106	822468	106.440	ug/l	98
69) o-Xylene	12.18	106	368189	53.169	ug/l	97
70) Styrene	12.20	104	655305	54.431	ug/l	99
71) Bromoform	12.36	173	113370	52.007	ug/l #	98
73) Isopropylbenzene	12.48	105	1027403	54.237	ug/l	100
74) N-amyl acetate	12.29	43	228148	53.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172785	51.631	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115233m	46.832	ug/l	
77) Bromobenzene	12.76	156	219965	52.086	ug/l	98
78) n-propylbenzene	12.82	91	1238350	53.927	ug/l	100
79) 2-Chlorotoluene	12.91	91	706711	54.859	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	868169	54.453	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55299	52.469	ug/l	98
82) 4-Chlorotoluene	13.01	91	730150	53.002	ug/l	100
83) tert-Butylbenzene	13.23	119	715559	54.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	872079	54.939	ug/l	99
85) sec-Butylbenzene	13.40	105	1021322	54.448	ug/l	98
86) p-Isopropyltoluene	13.52	119	914158	54.146	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	440295	52.516	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	431212	51.243	ug/l	99
89) n-Butylbenzene	13.85	91	876667	53.285	ug/l	99
90) Hexachloroethane	14.11	117	192849	53.012	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	368617	50.301	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29137	51.254	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	235517	53.551	ug/l	99
94) Hexachlorobutadiene	15.27	225	133817	50.646	ug/l	98
95) Naphthalene	15.41	128	450396	58.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	206687	55.123	ug/l	98

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

