

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066521.D
 Acq On : 02 Sep 2020 14:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV090220

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:21 PM

Quant Time: Sep 03 03:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	224951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93788	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.91	113	75212	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.34	98	277136	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	98024	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71061	45.863	ug/l	92
3) Chloromethane	2.20	50	43462	46.660	ug/l	97
4) Vinyl Chloride	2.35	62	51775	45.580	ug/l	93
5) Bromomethane	2.77	94	43367	46.713	ug/l	96
6) Chloroethane	2.92	64	35404	46.328	ug/l	100
7) Trichlorofluoromethane	3.27	101	164841	47.607	ug/l	99
8) Diethyl Ether	3.71	74	31730	48.894	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70420	48.836	ug/l	98
10) Methyl Iodide	4.30	142	75312	47.102	ug/l	98
11) Tert butyl alcohol	5.21	59	25034	230.863	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68298	50.401	ug/l	84
13) Acrolein	3.92	56	13902	219.123	ug/l	89
14) Allyl chloride	4.71	41	75286	49.704	ug/l	100
15) Acrylonitrile	5.43	53	57640	247.678	ug/l	95
16) Acetone	4.16	43	69804	241.646	ug/l	98
17) Carbon Disulfide	4.41	76	190184	48.567	ug/l #	93
18) Methyl Acetate	4.71	43	22873	49.314	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	173151	48.972	ug/l	98
20) Methylene Chloride	4.97	84	72651	50.217	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	76561	49.395	ug/l	91
22) Diisopropyl ether	6.36	45	150139	49.457	ug/l	96
23) Vinyl Acetate	6.30	43	496520	254.403	ug/l	100
24) 1,1-Dichloroethane	6.26	63	112193	47.055	ug/l	97
25) 2-Butanone	7.21	43	72216	241.536	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146043	48.341	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	82223	48.917	ug/l	97
28) Bromochloromethane	7.54	49	37558	54.448	ug/l	96
29) Tetrahydrofuran	7.56	42	36700	238.780	ug/l	96
30) Chloroform	7.71	83	151075	49.071	ug/l	96
31) Cyclohexane	7.98	56	91604	50.111	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	166397	48.530	ug/l	100
36) 1,1-Dichloropropene	8.11	75	105414	48.469	ug/l	97
37) Ethyl Acetate	7.28	43	31637	48.460	ug/l	99
38) Carbon Tetrachloride	8.09	117	164594	49.678	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123976	48.791	ug/l	98
40) Benzene	8.34	78	270706	48.251	ug/l	95
41) Methacrylonitrile	7.52	41	15586	45.886	ug/l #	99
42) 1,2-Dichloroethane	8.42	62	114399	48.199	ug/l	99
43) Isopropyl Acetate	8.45	43	66371	48.532	ug/l	98
44) Trichloroethene	9.11	130	94152	48.621	ug/l	94
45) 1,2-Dichloropropane	9.38	63	53817	48.346	ug/l	100
46) Dibromomethane	9.47	93	40033	49.122	ug/l	96
47) Bromodichloromethane	9.66	83	119309	49.257	ug/l	97
48) Methyl methacrylate	9.46	41	32345	46.410	ug/l	96
49) 1,4-Dioxane	9.46	88	8764	929.048	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	156584	249.002	ug/l	99
52) Toluene	10.40	92	198309	49.693	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109265	49.375	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	112345	48.188	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	52287	50.774	ug/l	94
56) Ethyl methacrylate	10.66	69	58714	48.447	ug/l	96
57) 1,3-Dichloropropane	10.94	76	85124	50.054	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	113323	239.540	ug/l	98
59) 2-Hexanone	10.98	43	115375	254.036	ug/l	99
60) Dibromochloromethane	11.14	129	83523	49.048	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50099	47.727	ug/l	100
64) Tetrachloroethene	10.87	164	87411	49.839	ug/l	98
65) Chlorobenzene	11.67	112	219021	49.488	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	91888	49.072	ug/l	98
67) Ethyl Benzene	11.74	91	384933	49.375	ug/l	97
68) m/p-Xylenes	11.86	106	299717	99.364	ug/l	99
69) o-Xylene	12.18	106	141211	49.422	ug/l	97
70) Styrene	12.20	104	241587	49.387	ug/l	98
71) Bromoform	12.36	173	50656	49.320	ug/l #	95
73) Isopropylbenzene	12.48	105	400451	50.420	ug/l	98
74) N-amyl acetate	12.29	43	59469	49.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47260	50.356	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	36434m	48.728	ug/l	
77) Bromobenzene	12.76	156	99170	49.204	ug/l	98
78) n-propylbenzene	12.82	91	433224	50.057	ug/l	97
79) 2-Chlorotoluene	12.91	91	248145	49.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	345584	50.048	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17483	52.070	ug/l	99
82) 4-Chlorotoluene	13.01	91	265311	49.326	ug/l	98
83) tert-Butylbenzene	13.23	119	298134	49.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344636	49.903	ug/l	98
85) sec-Butylbenzene	13.40	105	378513	49.333	ug/l	99
86) p-Isopropyltoluene	13.52	119	381579	49.757	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	184904	49.466	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	182690	48.311	ug/l	98
89) n-Butylbenzene	13.85	91	317441	49.418	ug/l	100
90) Hexachloroethane	14.11	117	68974	50.119	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	159245	48.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11572	46.623	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130289	50.770	ug/l	99
94) Hexachlorobutadiene	15.27	225	83489	50.186	ug/l	99
95) Naphthalene	15.41	128	202346	50.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	108962	49.138	ug/l	98

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

