

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066808.D
 Acq On : 22 Sep 2020 13:59
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV092220

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:04 PM

Quant Time: Sep 23 02:21:02 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	421767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	668339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207091	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.91	113	219789	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.34	98	783107	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.63	95	270094	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152486	52.093	ug/l	88
3) Chloromethane	2.21	50	188998	48.772	ug/l	99
4) Vinyl Chloride	2.35	62	189984	49.625	ug/l	100
5) Bromomethane	2.77	94	144887	53.843	ug/l	98
6) Chloroethane	2.93	64	117334	49.353	ug/l #	86
7) Trichlorofluoromethane	3.28	101	380202	48.356	ug/l	96
8) Diethyl Ether	3.71	74	99989	50.093	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	229596	50.359	ug/l	97
10) Methyl Iodide	4.30	142	211298	52.520	ug/l	98
11) Tert butyl alcohol	5.22	59	64778	262.059	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	208049	50.374	ug/l	94
13) Acrolein	3.92	56	71747	235.601	ug/l	96
14) Allyl chloride	4.71	41	321352	52.988	ug/l	98
15) Acrylonitrile	5.43	53	226737	256.322	ug/l	99
16) Acetone	4.16	43	219596	250.764	ug/l	96
17) Carbon Disulfide	4.41	76	634373	50.241	ug/l	97
18) Methyl Acetate	4.71	43	99726	51.120	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	471277	52.545	ug/l	96
20) Methylene Chloride	4.97	84	256059	54.729	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	244692	51.168	ug/l	89
22) Diisopropyl ether	6.36	45	673612	54.021	ug/l	98
23) Vinyl Acetate	6.31	43	1806171	266.611	ug/l	100
24) 1,1-Dichloroethane	6.26	63	423864	50.812	ug/l	98
25) 2-Butanone	7.21	43	266197	252.951	ug/l	95
26) 2,2-Dichloropropane	7.20	77	381342	49.876	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	269753	51.917	ug/l	100
28) Bromochloromethane	7.54	49	191381	55.534	ug/l #	99
29) Tetrahydrofuran	7.56	42	175114	259.696	ug/l	98
30) Chloroform	7.71	83	448638	49.893	ug/l	100
31) Cyclohexane	7.98	56	368453	49.088	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	416066	51.150	ug/l	99
36) 1,1-Dichloropropene	8.11	75	342608	51.672	ug/l	99
37) Ethyl Acetate	7.29	43	128884	53.770	ug/l	98
38) Carbon Tetrachloride	8.10	117	368779	50.873	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	415987	54.643	ug/l	99
40) Benzene	8.35	78	956307	51.751	ug/l	98
41) Methacrylonitrile	7.53	41	78544m	53.284	ug/l	
42) 1,2-Dichloroethane	8.42	62	279406	51.146	ug/l	98
43) Isopropyl Acetate	8.45	43	239461	51.817	ug/l	98
44) Trichloroethene	9.11	130	262540	49.845	ug/l	99
45) 1,2-Dichloropropane	9.38	63	234503	50.438	ug/l	98
46) Dibromomethane	9.47	93	130809	51.783	ug/l	99
47) Bromodichloromethane	9.66	83	346043	50.994	ug/l #	98
48) Methyl methacrylate	9.45	41	131722	57.812	ug/l	89
49) 1,4-Dioxane	9.46	88	28531	995.480	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	626282	267.459	ug/l	98
52) Toluene	10.40	92	629543	52.890	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	309131	53.522	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	368300	52.296	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	174757	50.324	ug/l	93
56) Ethyl methacrylate	10.66	69	203099	54.594	ug/l	97
57) 1,3-Dichloropropane	10.94	76	299607	52.249	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	429326	243.729	ug/l	100
59) 2-Hexanone	10.98	43	428092	271.096	ug/l	99
60) Dibromochloromethane	11.14	129	228771	50.476	ug/l	99
61) 1,2-Dibromoethane	11.24	107	169084	52.348	ug/l	99
64) Tetrachloroethene	10.87	164	218328	50.184	ug/l	90
65) Chlorobenzene	11.67	112	651561	51.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	244672	51.349	ug/l	99
67) Ethyl Benzene	11.74	91	1197262	54.147	ug/l	98
68) m/p-Xylenes	11.85	106	920051	109.901	ug/l	99
69) o-Xylene	12.18	106	412992	54.557	ug/l	100
70) Styrene	12.19	104	723808	55.059	ug/l	99
71) Bromoform	12.36	173	124388	51.559	ug/l #	99
73) Isopropylbenzene	12.48	105	1162215	56.165	ug/l	100
74) N-amyl acetate	12.29	43	222034	54.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	182568	51.130	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	115519m	48.663	ug/l	
77) Bromobenzene	12.76	156	256183	52.934	ug/l	99
78) n-propylbenzene	12.82	91	1363995	54.791	ug/l	100
79) 2-Chlorotoluene	12.91	91	761221	53.659	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	972794	55.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52952	55.808	ug/l	98
82) 4-Chlorotoluene	13.01	91	793872	53.086	ug/l	99
83) tert-Butylbenzene	13.23	119	814500	56.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	965920	55.478	ug/l	99
85) sec-Butylbenzene	13.40	105	1139353	54.915	ug/l	100
86) p-Isopropyltoluene	13.52	119	1061442	56.756	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	506440	52.967	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	488568	51.447	ug/l	99
89) n-Butylbenzene	13.84	91	991163	55.759	ug/l	99
90) Hexachloroethane	14.11	117	198820	52.365	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	429445	52.498	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29194	50.826	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	277926	53.971	ug/l	99
94) Hexachlorobutadiene	15.27	225	166670	54.012	ug/l	98
95) Naphthalene	15.41	128	491864	56.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	239538	53.894	ug/l	99

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

