

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066803.D
 Acq On : 22 Sep 2020 11:16
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:04:55 PM

Quant Time: Sep 23 01:34:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	41045	9.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.10%	
35) Dibromofluoromethane	7.91	113	44350	10.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.64%	
50) Toluene-d8	10.34	98	147580	10.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.40%	
62) 4-Bromofluorobenzene	12.63	95	48093	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39221	11.558	ug/l	90
3) Chloromethane	2.20	50	42023	9.676	ug/l	99
4) Vinyl Chloride	2.34	62	41426	9.179	ug/l	100
5) Bromomethane	2.77	94	28771	9.011	ug/l	93
6) Chloroethane	2.93	64	24301	8.713	ug/l #	74
7) Trichlorofluoromethane	3.27	101	84812	10.617	ug/l	98
8) Diethyl Ether	3.71	74	19454	9.632	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47535	10.766	ug/l	99
10) Methyl Iodide	4.30	142	35814	8.679	ug/l	99
11) Tert butyl alcohol	5.20	59	18289m	41.926	ug/l	
12) 1,1-Dichloroethene	4.07	96	42633	10.411	ug/l	95
13) Acrolein	3.93	56	15707	51.228	ug/l	99
14) Allyl chloride	4.71	41	60059	9.265	ug/l	100
15) Acrylonitrile	5.43	53	42746	48.188	ug/l	98
16) Acetone	4.16	43	40377	44.909	ug/l	95
17) Carbon Disulfide	4.41	76	136452	10.688	ug/l	100
18) Methyl Acetate	4.73	43	18879	8.765	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	83729	9.206	ug/l	94
20) Methylene Chloride	4.97	84	62764	10.448	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	48869	10.278	ug/l	94
22) Diisopropyl ether	6.36	45	119823	9.080	ug/l	94
23) Vinyl Acetate	6.30	43	274063	37.698	ug/l	99
24) 1,1-Dichloroethane	6.27	63	84675	10.025	ug/l #	96
25) 2-Butanone	7.21	43	48843	42.678	ug/l	93
26) 2,2-Dichloropropane	7.21	77	80452	10.338	ug/l	95
27) cis-1,2-Dichloroethene	7.20	96	51582	9.919	ug/l	98
28) Bromochloromethane	7.54	49	34571	10.667	ug/l	97
29) Tetrahydrofuran	7.56	42	29791	42.430	ug/l	96
30) Chloroform	7.71	83	90978	10.136	ug/l	93
31) Cyclohexane	7.98	56	79429	10.410	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	81635	9.942	ug/l	98
36) 1,1-Dichloropropene	8.11	75	67943	9.973	ug/l	99
37) Ethyl Acetate	7.30	43	22436	8.707	ug/l	99
38) Carbon Tetrachloride	8.09	117	77082	10.628	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76950	9.877	ug/l	99
40) Benzene	8.35	78	190988	10.307	ug/l	99
41) Methacrylonitrile	7.52	41	12817m	9.205	ug/l	
42) 1,2-Dichloroethane	8.42	62	55218	9.712	ug/l	100
43) Isopropyl Acetate	8.44	43	43213	8.890	ug/l	98
44) Trichloroethene	9.11	130	55184	11.049	ug/l	95
45) 1,2-Dichloropropane	9.38	63	48284	10.496	ug/l	99
46) Dibromomethane	9.47	93	25130	9.919	ug/l	96
47) Bromodichloromethane	9.66	83	70172	10.245	ug/l	94
48) Methyl methacrylate	9.45	41	19395	7.973	ug/l	93
49) 1,4-Dioxane	9.46	88	7276	267.629	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	108335	43.323	ug/l	97
52) Toluene	10.40	92	119587	10.071	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	54967	9.014	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	68393	9.442	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34730	10.347	ug/l	97
56) Ethyl methacrylate	10.66	69	31829	8.466	ug/l	91
57) 1,3-Dichloropropane	10.94	76	58382	10.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	88833	53.074	ug/l	98
59) 2-Hexanone	10.98	43	73284	43.610	ug/l	95
60) Dibromochloromethane	11.14	129	44241	10.177	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31930	9.972	ug/l	98
64) Tetrachloroethene	10.87	164	44929	10.770	ug/l	92
65) Chlorobenzene	11.67	112	130516	10.415	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	48443	10.388	ug/l	98
67) Ethyl Benzene	11.74	91	218740	9.664	ug/l	98
68) m/p-Xylenes	11.86	106	167081	19.479	ug/l	99
69) o-Xylene	12.18	106	73582	9.678	ug/l	98
70) Styrene	12.20	104	126734	9.494	ug/l	99
71) Bromoform	12.36	173	24986	10.642	ug/l #	98
73) Isopropylbenzene	12.48	105	203026	9.654	ug/l	98
74) N-amyl acetate	12.28	43	36447	8.250	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	36471	10.094	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	23215m	9.536	ug/l	
77) Bromobenzene	12.76	156	47867	9.782	ug/l	97
78) n-propylbenzene	12.82	91	251307	9.827	ug/l	98
79) 2-Chlorotoluene	12.91	91	143437	9.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	177086	9.973	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	8576	7.747	ug/l	90
82) 4-Chlorotoluene	13.01	91	154709	10.093	ug/l	99
83) tert-Butylbenzene	13.23	119	139123	9.484	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	169881	9.569	ug/l	100
85) sec-Butylbenzene	13.40	105	209871	10.001	ug/l	98
86) p-Isopropyltoluene	13.52	119	180921	9.489	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	98267	10.512	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	98522	10.574	ug/l	98
89) n-Butylbenzene	13.84	91	170452	9.438	ug/l	99
90) Hexachloroethane	14.11	117	38807	9.954	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	84572	10.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5782	10.004	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	48856	10.070	ug/l	97
94) Hexachlorobutadiene	15.27	225	30965	10.578	ug/l	98
95) Naphthalene	15.40	128	70355	8.225	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	41841	9.793	ug/l	98

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

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