

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011221\
 Data File : VD068054.D
 Acq On : 12 Jan 2021 13:37
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 1/13/2021 4:37:53 PM

Quant Time: Jan 13 03:36:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:34:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	512493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	785858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	734585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	360943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.338	65	90207	16.72	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	33.44%#
35) Dibromofluoromethane	7.920	113	94673	19.29	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.58%#
50) Toluene-d8	10.344	98	367803	20.03	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.06%#
62) 4-Bromofluorobenzene	12.632	95	123688	19.60	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	80119	15.50	ug/l	93
3) Chloromethane	2.209	50	81616	12.09	ug/l	99
4) Vinyl Chloride	2.350	62	88825	13.87	ug/l	98
5) Bromomethane	2.756	94	65208	13.98	ug/l	96
6) Chloroethane	2.920	64	55277	14.02	ug/l	91
7) Trichlorofluoromethane	3.273	101	174580	17.85	ug/l	95
8) Diethyl Ether	3.715	74	43015	15.87	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	97667	16.96	ug/l	99
10) Methyl Iodide	4.309	142	90264	17.81	ug/l	98
11) Tert butyl alcohol	5.226	59	31557	67.64	ug/l #	86
12) 1,1-Dichloroethene	4.073	96	90100	16.43	ug/l	92
13) Acrolein	3.926	56	34288	88.33	ug/l	99
14) Allyl chloride	4.720	41	103538	11.17	ug/l	97
15) Acrylonitrile	5.426	53	82527	64.39	ug/l	99
16) Acetone	4.162	43	69683	68.06	ug/l	90
17) Carbon Disulfide	4.414	76	271745	14.57	ug/l	99
18) Methyl Acetate	4.720	43	33967	11.53	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	185419	16.21	ug/l #	87
20) Methylene Chloride	4.967	84	129479	15.25	ug/l	98
21) trans-1,2-Dichloroethene	5.479	96	99390	15.33	ug/l	94
22) Diisopropyl ether	6.367	45	225381	12.09	ug/l	97
23) Vinyl Acetate	6.308	43	558044	58.74	ug/l	96
24) 1,1-Dichloroethane	6.273	63	161047	13.89	ug/l	99
25) 2-Butanone	7.220	43	86753	58.99	ug/l	99
26) 2,2-Dichloropropane	7.214	77	158193	16.77	ug/l	99
27) cis-1,2-Dichloroethene	7.220	96	111863	16.08	ug/l	97
28) Bromochloromethane	7.550	49	55091	12.99	ug/l	98
29) Tetrahydrofuran	7.573	42	56223	56.91	ug/l	99
30) Chloroform	7.714	83	187563	16.27	ug/l	99
31) Cyclohexane	7.991	56	135571	12.58	ug/l #	90
32) 1,1,1-Trichloroethane	7.908	97	175905	17.42	ug/l	99
36) 1,1-Dichloropropene	8.114	75	141328	17.33	ug/l	100
37) Ethyl Acetate	7.291	43	42835	13.41	ug/l	97
38) Carbon Tetrachloride	8.097	117	163479	20.10	ug/l	97
39) Methylcyclohexane	9.361	83	164826	17.30	ug/l	96
40) Benzene	8.355	78	398647	16.89	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	24817	13.65	ug/l	98
42) 1,2-Dichloroethane	8.426	62	109915	17.05	ug/l	98
43) Isopropyl Acetate	8.461	43	80291	13.60	ug/l	98
44) Trichloroethene	9.114	130	119156	19.52	ug/l	99
45) 1,2-Dichloropropane	9.391	63	90897	15.31	ug/l	97
46) Dibromomethane	9.479	93	52525	17.65	ug/l	98
47) Bromodichloromethane	9.667	83	141060	17.70	ug/l	97
48) Methyl methacrylate	9.461	41	37956	12.40	ug/l	84
49) 1,4-Dioxane	9.467	88	11244	344.49	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	204467	67.09	ug/l	99
52) Toluene	10.408	92	267188	18.11	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	125972	17.43	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	154615	17.42	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	76766	18.49	ug/l	99
56) Ethyl methacrylate	10.667	69	77133	16.66	ug/l	99
57) 1,3-Dichloropropane	10.949	76	122673	16.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.949	63	203202	89.00	ug/l	100
59) 2-Hexanone	10.991	43	144005	71.50	ug/l	97
60) Dibromochloromethane	11.144	129	103579	19.84	ug/l	100
61) 1,2-Dibromoethane	11.249	107	72798	18.20	ug/l	100
64) Tetrachloroethene	10.879	164	103769	19.88	ug/l	97
65) Chlorobenzene	11.673	112	290607	18.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	110463	19.40	ug/l	99
67) Ethyl Benzene	11.749	91	498294	17.78	ug/l	99
68) m/p-Xylenes	11.855	106	400060	37.37	ug/l	99
69) o-Xylene	12.179	106	179725	18.82	ug/l	92
70) Styrene	12.196	104	309491	18.69	ug/l	99
71) Bromoform	12.361	173	59739	20.65	ug/l #	94
73) Isopropylbenzene	12.479	105	484980	18.00	ug/l	99
74) N-amyl acetate	12.291	43	72775	12.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	78227	15.99	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	60567m	20.18	ug/l	
77) Bromobenzene	12.761	156	116855	18.92	ug/l	97
78) n-propylbenzene	12.820	91	579183	17.52	ug/l	99
79) 2-Chlorotoluene	12.908	91	332803	17.83	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	424186	18.92	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	25664	17.42	ug/l	91
82) 4-Chlorotoluene	13.008	91	349138	17.78	ug/l	99
83) tert-Butylbenzene	13.226	119	350138	18.90	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	416478	18.60	ug/l	99
85) sec-Butylbenzene	13.402	105	495693	18.43	ug/l	100
86) p-Isopropyltoluene	13.514	119	470555	19.75	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	232711	19.00	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	231780	19.14	ug/l	98
89) n-Butylbenzene	13.843	91	413497	17.76	ug/l	97
90) Hexachloroethane	14.114	117	84698	17.50	ug/l	99
91) 1,2-Dichlorobenzene	13.890	146	199044	19.19	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	12431	16.02	ug/l	92
93) 1,2,4-Trichlorobenzene	15.161	180	135551	21.35	ug/l	99
94) Hexachlorobutadiene	15.267	225	83566	22.12	ug/l	99
95) Naphthalene	15.402	128	211007	19.01	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	115432	21.08	ug/l	100

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

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