

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067739.D
 Acq On : 23 Nov 2020 11:50
 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

MMDadoda
 11/24/2020 2:56:29 PM

Quant Time: Nov 24 00:44:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	265318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	352226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	51596	19.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.58%#
35) Dibromofluoromethane	7.91	113	46898	19.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.62%#
50) Toluene-d8	10.34	98	180002	20.42	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.84%#
62) 4-Bromofluorobenzene	12.63	95	62004	20.47	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	43388	18.558	ug/l	98
3) Chloromethane	2.21	50	24818	18.678	ug/l	95
4) Vinyl Chloride	2.34	62	30811	18.578	ug/l	99
5) Bromomethane	2.75	94	27315	19.231	ug/l	92
6) Chloroethane	2.91	64	20495	18.720	ug/l	99
7) Trichlorofluoromethane	3.27	101	98956	19.711	ug/l	95
8) Diethyl Ether	3.71	74	20221	19.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46930	19.621	ug/l	99
10) Methyl Iodide	4.30	142	42474	17.308	ug/l	96
11) Tert butyl alcohol	5.22	59	18912	97.117	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	43064	19.577	ug/l	91
13) Acrolein	3.92	56	11512	106.960	ug/l	98
14) Allyl chloride	4.71	41	39411	18.646	ug/l	93
15) Acrylonitrile	5.41	53	35203	102.521	ug/l #	88
16) Acetone	4.16	43	32684	94.625	ug/l	97
17) Carbon Disulfide	4.41	76	127099	19.716	ug/l	98
18) Methyl Acetate	4.71	43	13053	19.582	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	94503	20.089	ug/l	97
20) Methylene Chloride	4.96	84	61967	18.097	ug/l #	96
21) trans-1,2-Dichloroethene	5.47	96	48946	19.879	ug/l	94
22) Diisopropyl ether	6.37	45	85837	20.634	ug/l	96
23) Vinyl Acetate	6.31	43	237578	100.579	ug/l	95
24) 1,1-Dichloroethane	6.26	63	72540	20.150	ug/l	97
25) 2-Butanone	7.21	43	36373	98.629	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	82143	19.488	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52705	19.834	ug/l	99
28) Bromochloromethane	7.56	49	22404	19.490	ug/l	100
29) Tetrahydrofuran	7.56	42	21241	98.260	ug/l	90
30) Chloroform	7.71	83	92096	19.726	ug/l	96
31) Cyclohexane	7.98	56	61280	19.687	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	99906	20.083	ug/l	100
36) 1,1-Dichloropropene	8.11	75	64326	19.585	ug/l	100
37) Ethyl Acetate	7.30	43	16877	19.561	ug/l	95
38) Carbon Tetrachloride	8.10	117	95781	19.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76171	19.528	ug/l	96
40) Benzene	8.35	78	181329	20.018	ug/l	99
41) Methacrylonitrile	7.53	41	8149	20.336	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	62295	20.471	ug/l	100
43) Isopropyl Acetate	8.46	43	34658	19.852	ug/l	97
44) Trichloroethene	9.11	130	59822	19.809	ug/l	98
45) 1,2-Dichloropropane	9.39	63	37620	20.427	ug/l	100
46) Dibromomethane	9.48	93	25111	20.301	ug/l	94
47) Bromodichloromethane	9.67	83	70851	20.265	ug/l	99
48) Methyl methacrylate	9.46	41	16738	19.354	ug/l	90
49) 1,4-Dioxane	9.46	88	5728	426.957	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	86432	106.104	ug/l	99
52) Toluene	10.41	92	129156	21.137	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	62269	20.449	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	71195	20.652	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	33526	19.965	ug/l	96
56) Ethyl methacrylate	10.67	69	35724	20.584	ug/l	97
57) 1,3-Dichloropropane	10.95	76	54046	20.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	74975	92.505	ug/l	99
59) 2-Hexanone	10.99	43	58803	101.151	ug/l	100
60) Dibromochloromethane	11.14	129	53251	20.803	ug/l	100
61) 1,2-Dibromoethane	11.25	107	34086	20.529	ug/l	96
64) Tetrachloroethene	10.88	164	54370	19.632	ug/l	92
65) Chlorobenzene	11.67	112	141294	20.252	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	54710	19.574	ug/l	96
67) Ethyl Benzene	11.75	91	238812	19.941	ug/l	99
68) m/p-Xylenes	11.86	106	191543	40.907	ug/l	97
69) o-Xylene	12.18	106	83607	19.637	ug/l	95
70) Styrene	12.20	104	150413	20.450	ug/l	98
71) Bromoform	12.36	173	31081	20.425	ug/l #	97
73) Isopropylbenzene	12.48	105	241698	19.734	ug/l	100
74) N-amyl acetate	12.29	43	31912	20.112	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	31933	19.564	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28987m	20.372	ug/l	
77) Bromobenzene	12.76	156	61517	20.172	ug/l	97
78) n-propylbenzene	12.83	91	271506	19.988	ug/l	98
79) 2-Chlorotoluene	12.91	91	161223	20.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	210542	19.583	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	10100	18.537	ug/l	83
82) 4-Chlorotoluene	13.01	91	168619	19.771	ug/l	100
83) tert-Butylbenzene	13.23	119	179317	19.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	214088	20.240	ug/l	100
85) sec-Butylbenzene	13.40	105	234733	19.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	232823	20.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	119771	20.154	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	115942	19.578	ug/l	99
89) n-Butylbenzene	13.84	91	195716	19.760	ug/l	100
90) Hexachloroethane	14.11	117	41694	18.911	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	101580	19.875	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7052	20.301	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	71031	19.625	ug/l	97
94) Hexachlorobutadiene	15.27	225	44394	19.121	ug/l	96
95) Naphthalene	15.40	128	113373	19.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	58969	19.187	ug/l	100

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

