

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011824\
 Data File : VU057558.D
 Acq On : 18 Jan 2024 14:19
 Operator : MD/SY
 Sample : VSTD01048
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010048

Quant Time: Jan 19 01:29:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 01:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	416841	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	545556	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	228683	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	47078	11.247	ug/L	0.00
7) Chloroethane-d5	1.914	69	35014	10.824	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	71220	9.437	ug/L	0.00
21) 2-Butanone-d5	4.644	46	35810	19.736	ug/L	0.01
24) Chloroform-d	5.058	84	69264	10.771	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	40053	10.044	ug/L	0.00
32) Benzene-d6	5.724	84	125215	8.252	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	42166	7.505	ug/L	0.00
41) Toluene-d8	7.894	98	107604	6.918	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	15619	5.586	ug/L	0.00
47) 2-Hexanone-d5	8.650	63	24689	13.404	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	70363	9.584	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	36060	8.114	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	61973	11.390	ug/L	99
3) Chloromethane	1.518	50	63262	11.970	ug/L	98
5) Vinyl chloride	1.605	62	59702	11.974	ug/L	100
6) Bromomethane	1.859	94	23539	10.412	ug/L	98
8) Chloroethane	1.936	64	31680	11.214	ug/L	100
9) Trichlorofluoromethane	2.132	101	70744	11.591	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	38664	9.996	ug/L	98
12) 1,1-Dichloroethene	2.573	96	34162	9.896	ug/L	93
13) Acetone	2.647	43	65391	23.217	ug/L	98
14) Carbon disulfide	2.788	76	143142	11.792	ug/L	99
15) Methyl Acetate	2.952	43	42358	11.295	ug/L	98
16) Methylene chloride	3.042	84	49964	11.708	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	42382	11.693	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	122939	11.025	ug/L	97
19) 1,1-Dichloroethane	3.862	63	68061	11.201	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	34319	11.165	ug/L	92
22) 2-Butanone	4.724	43	45818	19.490	ug/L	98
23) Bromochloromethane	4.972	128	19268	11.701	ug/L	95
25) Chloroform	5.081	83	70191	11.296	ug/L	99
27) 1,2-Dichloroethane	5.791	62	54106	10.823	ug/L	98
29) Cyclohexane	5.380	56	45540	7.851	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	59377	9.081	ug/L	98
31) Carbon tetrachloride	5.518	117	46400	8.747	ug/L	98
33) Benzene	5.769	78	136273	8.501	ug/L	100
34) Trichloroethene	6.541	95	35404	7.499	ug/L	98
35) Methylcyclohexane	6.759	83	50266	6.880	ug/L	98
37) 1,2-Dichloropropane	6.785	63	43193	8.237	ug/L	100
38) Bromodichloromethane	7.100	83	49821	7.464	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	51470	6.711	ug/L	97
40) 4-Methyl-2-pentanone	7.807	43	85824	14.541	ug/L #	91
42) Toluene	7.965	91	146370	7.297	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	47293	6.081	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.399	97	36522	7.315	ug/L	98
46) Tetrachloroethene	8.550	164	27359	8.116	ug/L	97
48) 2-Hexanone	8.701	43	80629	15.515	ug/L	90
49) Dibromochloromethane	8.807	129	45417	9.101	ug/L	93
50) 1,2-Dibromoethane	8.920	107	47754	9.231	ug/L	100
51) Chlorobenzene	9.444	112	117614	10.012	ug/L	98
52) Ethylbenzene	9.566	91	177945	9.069	ug/L	99
53) m,p-Xylene	9.692	106	61687	8.547	ug/L	93
54) o-Xylene	10.100	106	59792	8.625	ug/L	95
55) Styrene	10.116	104	93936	8.093	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.785	83	76027	10.163	ug/L	99
59) Bromoform	10.293	173	31584	9.581	ug/L	97
60) 1,2,3-Trichloropropane	10.823	75	57208	10.054	ug/L	98
61) Isopropylbenzene	10.483	105	153292	8.636	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	117671	8.820	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	115330	8.518	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	76779	10.183	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	79708	10.368	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	54440	7.657	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	9086	7.714	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	36841	7.196	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	27494	6.938	ug/L	96
71) Naphthalene	14.087	128	53394	5.657	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	23987	6.682	ug/L	93

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

