

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082422\
 Data File : VU050419.D
 Acq On : 24 Aug 2022 11:00
 Operator : SY/MD
 Sample : VSTD00507
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005007

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2022
 Supervised By :Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 25 04:24:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 04:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	285210	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	294329	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	117908	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	18055	6.945	ug/L	0.00
7) Chloroethane-d5	1.909	69	14259	7.379	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	25000	5.722	ug/L	0.00
21) 2-Butanone-d5	4.636	46	20551	9.801	ug/L	0.01
24) Chloroform-d	5.067	84	29007	6.457	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	18544	6.204	ug/L	0.00
32) Benzene-d6	5.729	84	50924	5.400	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	18622	5.938	ug/L	0.00
41) Toluene-d8	7.899	98	40926	4.948	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	6752	5.118	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	9293m	6.816	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	28058	6.243	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	14147	6.024	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	11880	3.717	ug/L	98
3) Chloromethane	1.520	50	13961	3.946	ug/L	100
5) Vinyl chloride	1.604	62	13351	4.119	ug/L	99
6) Bromomethane	1.851	94	4769	3.268	ug/L	93
8) Chloroethane	1.932	64	8947	4.861	ug/L	97
9) Trichlorofluoromethane	2.137	101	17065	4.249	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	10705	4.983	ug/L	99
12) 1,1-Dichloroethene	2.578	96	8766	4.407	ug/L	86
13) Acetone	2.633	43	19563	10.672	ug/L	97
14) Carbon disulfide	2.793	76	23561	3.654	ug/L	97
15) Methyl Acetate	2.954	43	13638	4.444	ug/L	97
16) Methylene chloride	3.044	84	14153	5.570	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	9312	4.290	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	25626	3.504	ug/L	98
19) 1,1-Dichloroethane	3.870	63	21062	4.667	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	10106	4.091	ug/L	92
22) 2-Butanone	4.716	43	19581m	7.848	ug/L	
23) Bromochloromethane	4.973	128	6121	4.920	ug/L	89
25) Chloroform	5.089	83	22559	4.927	ug/L	99
27) 1,2-Dichloroethane	5.796	62	16836	4.399	ug/L	97
29) Cyclohexane	5.391	56	10315	2.433	ug/L	91
30) 1,1,1-Trichloroethane	5.317	97	17072	4.170	ug/L	99
31) Carbon tetrachloride	5.523	117	14368	4.289	ug/L	95
33) Benzene	5.774	78	40433	3.760	ug/L	100
34) Trichloroethene	6.546	95	9593	3.717	ug/L	90
35) Methylcyclohexane	6.764	83	11919	3.015	ug/L	96
37) 1,2-Dichloropropane	6.793	63	12981	4.360	ug/L #	96
38) Bromodichloromethane	7.108	83	17236	4.632	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	14856	3.725	ug/L	95
40) 4-Methyl-2-pentanone	7.796	43	27415	5.832	ug/L	93
42) Toluene	7.970	91	36676	3.419	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	13335	3.534	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	12942	4.846	ug/L	98
46) Tetrachloroethene	8.555	164	7565	4.198	ug/L	96
48) 2-Hexanone	8.690	43	22829m	5.994	ug/L	
49) Dibromochloromethane	8.812	129	13317	4.953	ug/L	90
50) 1,2-Dibromoethane	8.925	107	12819	4.824	ug/L	98
51) Chlorobenzene	9.449	112	28570	4.366	ug/L	97
52) Ethylbenzene	9.571	91	36226	3.247	ug/L	100
53) m,p-Xylene	9.697	106	12826	3.128	ug/L	99
54) o-Xylene	10.105	106	12242	2.976	ug/L	93
55) Styrene	10.118	104	18807	2.745	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.783	83	22987	4.817	ug/L	98
59) Bromoform	10.291	173	9327	5.800	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	17163	5.483	ug/L	95
61) Isopropylbenzene	10.488	105	31051	3.616	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	23738	3.315	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	21881	3.082	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	17233	4.524	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	18277	4.776	ug/L	91
67) 1,2-Dichlorobenzene	12.214	146	18434	4.637	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	3999	4.454	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.224	180	11432m	4.327	ug/L	
70) 1,2,4-trichlorobenzene	13.841	180	7947	3.334	ug/L	94
71) Naphthalene	14.092	128	19497	2.317	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	8444	3.381	ug/L	96

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

