

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047638.D
 Acq On : 24 Mar 2022 16:54
 Operator : SY/MD
 Sample : VSTD00554
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005054

Quant Time: Mar 24 23:09:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:06:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	371855	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	381081	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	219275	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	11401	3.782	ug/L	0.00
7) Chloroethane-d5	1.919	69	8501	3.647	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	21924	4.109	ug/L	0.00
21) 2-Butanone-d5	4.652	46	19052	7.825	ug/L	0.00
24) Chloroform-d	5.070	84	21025	4.137	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	13433	3.988	ug/L	0.00
32) Benzene-d6	5.732	84	40809	3.803	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	12981	3.918	ug/L	0.00
41) Toluene-d8	7.899	98	38659	3.914	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	5681	3.529	ug/L	0.00
47) 2-Hexanone-d5	8.642	63	13289	8.153	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	20990	4.085	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	17709	4.244	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	15986	4.206	ug/L	100
3) Chloromethane	1.523	50	15667	4.528	ug/L	96
5) Vinyl chloride	1.607	62	15839	4.541	ug/L	97
6) Bromomethane	1.864	94	8375	4.297	ug/L	98
8) Chloroethane	1.938	64	9707	4.764	ug/L	99
9) Trichlorofluoromethane	2.144	101	21162	4.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	12887	4.930	ug/L	99
12) 1,1-Dichloroethene	2.588	96	11712	4.736	ug/L	87
13) Acetone	2.662	43	23227	8.408	ug/L	40
14) Carbon disulfide	2.800	76	39874	5.197	ug/L	99
15) Methyl Acetate	2.964	43	15662	4.568	ug/L	96
16) Methylene chloride	3.054	84	13970	4.736	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	13230	5.064	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	35385	4.459	ug/L	98
19) 1,1-Dichloroethane	3.877	63	21960	4.629	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	14278	5.034	ug/L	94
22) 2-Butanone	4.726	43	27314m	8.874	ug/L	
23) Bromochloromethane	4.983	128	7612	5.181	ug/L	94
25) Chloroform	5.092	83	24393	4.647	ug/L	93
27) 1,2-Dichloroethane	5.800	62	18686	4.794	ug/L	99
29) Cyclohexane	5.391	56	17251	4.162	ug/L	97
30) 1,1,1-Trichloroethane	5.324	97	21003	4.702	ug/L	98
31) Carbon tetrachloride	5.530	117	18158	4.747	ug/L	97
33) Benzene	5.780	78	52857	4.773	ug/L	100
34) Trichloroethene	6.546	95	14399	4.957	ug/L	95
35) Methylcyclohexane	6.764	83	20419	4.613	ug/L	98
37) 1,2-Dichloropropane	6.796	63	13146	4.555	ug/L #	94
38) Bromodichloromethane	7.108	83	18680	4.837	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	19353	4.426	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	39174	9.225	ug/L	98
42) Toluene	7.973	91	55430	4.653	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	19159	4.471	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	14331	4.888	ug/L	96
46) Tetrachloroethene	8.555	164	12322	5.569	ug/L	98
48) 2-Hexanone	8.690	43	34486	9.176	ug/L	98
49) Dibromochloromethane	8.812	129	16182	5.207	ug/L	95
50) 1,2-Dibromoethane	8.928	107	15518	4.889	ug/L	95
51) Chlorobenzene	9.449	112	39122	5.054	ug/L	97
52) Ethylbenzene	9.571	91	56460	4.482	ug/L	97
53) m,p-Xylene	9.697	106	21961	4.449	ug/L	92
54) o-Xylene	10.102	106	21010	4.364	ug/L	96
55) Styrene	10.115	104	33845	4.136	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	25509	4.993	ug/L	96
59) Bromoform	10.295	173	13031	5.154	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	20381	4.469	ug/L	98
61) Isopropylbenzene	10.488	105	53368	4.030	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	27586	2.658	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	39912	3.641	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	31581	4.876	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	34340	5.124	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	32352	4.945	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	6393	5.116	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	26661	5.570	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	22596	5.324	ug/L	99
71) Naphthalene	14.089	128	64362	4.535	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	22601	5.258	ug/L	98

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

