

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010522\
 Data File : VU046658.D
 Acq On : 05 Jan 2022 11:55
 Operator : SY/MD
 Sample : VSTD00537
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005037

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/07/2022
 Supervised By :Semsettin Yesilyurt 01/11/2022

Quant Time: Jan 06 02:20:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 06 02:19:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	109831	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	109325	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	52547	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	5911	6.504	ug/L	0.00
7) Chloroethane-d5	1.919	69	4353	6.271	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	9626	5.945	ug/L	0.00
21) 2-Butanone-d5	4.658	46	7970m	11.111	ug/L	0.02
24) Chloroform-d	5.070	84	10692	7.015	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.710	65	6631	6.514	ug/L	0.00
32) Benzene-d6	5.732	84	20001	6.318	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	6494	6.651	ug/L	0.00
41) Toluene-d8	7.903	98	16806	5.840	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	2632	5.553	ug/L	0.00
47) 2-Hexanone-d5	8.642	63	4832	9.971	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	9561	6.416	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	6434	6.286	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	5638	4.880	ug/L	97
3) Chloromethane	1.523	50	5090	4.911	ug/L	96
5) Vinyl chloride	1.610	62	5035	4.783	ug/L	97
6) Bromomethane	1.864	94	3252	5.366	ug/L	96
8) Chloroethane	1.941	64	3078	5.052	ug/L	91
9) Trichlorofluoromethane	2.147	101	7737	5.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	4312	5.463	ug/L	97
12) 1,1-Dichloroethene	2.588	96	4118	5.495	ug/L	96
13) Acetone	2.675	43	7627m	8.911	ug/L	
14) Carbon disulfide	2.800	76	12090	5.237	ug/L	99
15) Methyl Acetate	2.974	43	4234	4.143	ug/L	98
16) Methylene chloride	3.054	84	5720	6.374	ug/L	96
17) trans-1,2-Dichloroethene	3.363	96	4186	5.292	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	10779	4.426	ug/L #	85
19) 1,1-Dichloroethane	3.874	63	7597	5.264	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	4155	4.825	ug/L	86
22) 2-Butanone	4.732	43	7765m	8.276	ug/L	
23) Bromochloromethane	4.986	128	2354	5.350	ug/L	92
25) Chloroform	5.096	83	8303	5.180	ug/L	96
27) 1,2-Dichloroethane	5.800	62	6103	5.096	ug/L #	94
29) Cyclohexane	5.395	56	5317	4.230	ug/L #	88
30) 1,1,1-Trichloroethane	5.321	97	6764	5.026	ug/L	97
31) Carbon tetrachloride	5.530	117	6023	5.282	ug/L	98
33) Benzene	5.777	78	16636	5.030	ug/L	100
34) Trichloroethene	6.549	95	4569	5.276	ug/L	95
35) Methylcyclohexane	6.768	83	5951	4.434	ug/L	96
37) 1,2-Dichloropropane	6.793	63	4221	4.888	ug/L #	89
38) Bromodichloromethane	7.108	83	5924	5.129	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	5993	4.549	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	10248	8.201	ug/L	94
42) Toluene	7.973	91	16345	4.607	ug/L	99
44) trans-1,3-Dichloropropene	8.215	75	5829	4.557	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	4516	5.188	ug/L	91
46) Tetrachloroethene	8.555	164	3452	5.386	ug/L	94
48) 2-Hexanone	8.690	43	7729	6.981	ug/L	95
49) Dibromochloromethane	8.813	129	4832	5.280	ug/L	98
50) 1,2-Dibromoethane	8.928	107	4228	4.518	ug/L #	98
51) Chlorobenzene	9.449	112	11354	4.945	ug/L	99
52) Ethylbenzene	9.571	91	16330	4.307	ug/L	95
53) m,p-Xylene	9.697	106	6028	4.076	ug/L	96
54) o-xylene	10.105	106	5722	3.985	ug/L	99
55) Styrene	10.118	104	9673	3.945	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.787	83	7606	5.068	ug/L #	96
59) Bromoform	10.295	173	3282	5.250	ug/L #	98
60) 1,2,3-Trichloropropane	10.825	75	6124	5.300	ug/L	99
61) Isopropylbenzene	10.488	105	14099	4.143	ug/L	96
62) 1,3,5-Trimethylbenzene	11.092	105	11164	3.937	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	10981	3.873	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	8103	4.988	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	8930	5.317	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	8440	5.153	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.002	75	1701	5.404	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	6265	5.270	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	4723	4.472	ug/L	98
71) Naphthalene	14.089	128	12896	3.543	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	4694	4.367	ug/L	98

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

