

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122722\
 Data File : VX033562.D
 Acq On : 27 Dec 2022 13:39
 Operator : JC/MD
 Sample : VSTD00507
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005607

Quant Time: Dec 28 01:47:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 28 01:46:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	186075	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	163611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	79872	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	4370	4.797	ug/L	0.00
7) Chloroethane-d5	1.672	69	3449	4.020	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.312	63	8046	4.195	ug/L	0.00
21) 2-Butanone-d5	4.471	46	6430	9.460	ug/L	0.00
24) Chloroform-d	5.062	84	11764	4.856	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	7729	5.073	ug/L	0.00
32) Benzene-d6	5.976	84	21963	4.918	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	6540	4.961	ug/L	0.00
41) Toluene-d8	8.653	98	21669	4.913	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	2867	4.438	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	4239	8.437	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	8875	4.865	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	7846	4.951	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	6907	5.324	ug/L	98
3) Chloromethane	1.294	50	5156	5.295	ug/L	94
5) Vinyl chloride	1.374	62	5484	5.118	ug/L	94
6) Bromomethane	1.617	94	3272	4.859	ug/L	85
8) Chloroethane	1.691	64	3282	4.428	ug/L	89
9) Trichlorofluoromethane	1.892	101	8366	5.163	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4572	4.329	ug/L	96
12) 1,1-Dichloroethene	2.325	96	4238	4.405	ug/L	81
13) Acetone	2.398	43	4310	8.774	ug/L	92
14) Carbon disulfide	2.514	76	12821	4.293	ug/L	97
15) Methyl Acetate	2.703	43	3628	4.028	ug/L	97
16) Methylene chloride	2.788	84	4511	4.292	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	4591	4.224	ug/L	82
18) Methyl tert-butyl Ether	3.117	73	12310	3.824	ug/L	99
19) 1,1-Dichloroethane	3.611	63	9810	5.038	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	6147	4.863	ug/L	83
22) 2-Butanone	4.580	43	7432	9.982	ug/L	99
23) Bromochloromethane	4.903	128	3300m	4.944	ug/L	
25) Chloroform	5.092	83	11465	5.142	ug/L	99
27) 1,2-Dichloroethane	6.092	62	8468	4.882	ug/L	99
29) Cyclohexane	5.470	56	8904m	5.090	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	10158	5.046	ug/L	99
31) Carbon tetrachloride	5.678	117	9506	5.119	ug/L	98
33) Benzene	6.037	78	22690	5.040	ug/L	100
34) Trichloroethene	7.129	95	6286	5.067	ug/L	96
35) Methylcyclohexane	7.379	83	10118	5.119	ug/L	96
37) 1,2-Dichloropropane	7.434	63	5741	5.226	ug/L	100
38) Bromodichloromethane	7.824	83	8545	5.042	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	8473	4.807	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	12842	9.616	ug/L	99
42) Toluene	8.720	91	24676	4.875	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	7710	4.528	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	6039	5.140	ug/L	93
46) Tetrachloroethene	9.275	164	5188	5.008	ug/L	94
48) 2-Hexanone	9.433	43	10093	9.794	ug/L	99
49) Dibromochloromethane	9.525	129	7065	4.852	ug/L	94
50) 1,2-Dibromoethane	9.610	107	6278	4.892	ug/L	97
51) Chlorobenzene	10.079	112	16625	4.986	ug/L	95
52) Ethylbenzene	10.195	91	26263	4.748	ug/L	95
53) m,p-Xylene	10.305	106	10260	4.682	ug/L	98
54) o-Xylene	10.640	106	10456	4.837	ug/L	94
55) Styrene	10.659	104	16059	4.442	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	8907	5.059	ug/L	96
59) Bromoform	10.799	173	5171	5.053	ug/L	99
60) Isopropylbenzene	10.963	105	26750	4.943	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	6857	5.355	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	22027	4.858	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	21484	4.815	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	11973	4.927	ug/L	93
65) 1,4-Dichlorobenzene	12.042	146	12803	5.176	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	12366	5.091	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	1870	5.117	ug/L #	58
69) 1,3,5-Trichlorobenzene	13.115	180	8298	4.869	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	7338	4.831	ug/L	96
71) Naphthalene	13.774	128	21786	4.502	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	7340	4.822	ug/L	98

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

