

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042023\
 Data File : VX035223.D
 Acq On : 20 Apr 2023 18:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050634

Quant Time: Apr 20 23:32:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 23:27:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	477693	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	420775	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	210963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	118813	38.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.140%
7) Chloroethane-d5	1.673	69	92687	41.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.280%
11) 1,1-Dichloroethene-d2	2.307	65	62161	42.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.360%
21) 2-Butanone-d5	4.471	46	203644	99.212	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.210%
24) Chloroform-d	5.056	84	270475	46.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
26) 1,2-Dichloroethane-d4	5.958	65	170719	45.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
32) Benzene-d6	5.977	84	545654	45.143	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
36) 1,2-Dichloropropane-d6	7.306	67	171126	46.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.700%
41) Toluene-d8	8.647	98	493765	44.697	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.952	79	71445	44.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
47) 2-Hexanone-d5	9.385	63	147041	99.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.170%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	219910	48.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.260%
66) 1,2-Dichlorobenzene-d4	12.323	152	192626	47.117	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	171441	47.887	ug/L	99
3) Chloromethane	1.295	50	145089	44.531	ug/L	99
5) Vinyl chloride	1.374	62	149291	44.155	ug/L	99
6) Bromomethane	1.618	94	83295	41.479	ug/L	97
8) Chloroethane	1.691	64	87091	46.185	ug/L	97
9) Trichlorofluoromethane	1.886	101	216382	47.260	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	155507	49.715	ug/L	100
12) 1,1-Dichloroethene	2.319	96	139410	48.849	ug/L	97
13) Acetone	2.398	43	134926	88.628	ug/L	97
14) Carbon disulfide	2.514	76	322780	45.778	ug/L	100
15) Methyl Acetate	2.709	43	160809	49.310	ug/L	99
16) Methylene chloride	2.788	84	155455	48.920	ug/L	100
17) trans-1,2-Dichloroethene	3.093	96	142139	48.367	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	494793	48.685	ug/L	100
19) 1,1-Dichloroethane	3.611	63	276270	48.768	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	168103	48.926	ug/L	99
22) 2-Butanone	4.568	43	225371	96.446	ug/L	97
23) Bromochloromethane	4.904	128	83696	49.183	ug/L	94
25) Chloroform	5.093	83	282823	49.241	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	224133	48.721	ug/L	100
29) Cyclohexane	5.471	56	261069	51.350	ug/L	100
30) 1,1,1-Trichloroethane	5.385	97	235970	47.816	ug/L	99
31) Carbon tetrachloride	5.678	117	202572	48.408	ug/L	99
33) Benzene	6.038	78	618784	48.560	ug/L	100
34) Trichloroethene	7.129	95	164221	48.447	ug/L	99
35) Methylcyclohexane	7.379	83	262756	57.559	ug/L	99
37) 1,2-Dichloropropane	7.428	63	166476	49.622	ug/L	100
38) Bromodichloromethane	7.824	83	192580	48.583	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	245377	48.916	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	437728	98.977	ug/L	99
42) Toluene	8.720	91	652853	49.381	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	219443	48.550	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	159051	49.961	ug/L	99
46) Tetrachloroethene	9.275	164	128828	51.022	ug/L	98
48) 2-Hexanone	9.433	43	331768	98.806	ug/L	99
49) Dibromochloromethane	9.519	129	151014	49.915	ug/L	99
50) 1,2-Dibromoethane	9.610	107	163364	49.317	ug/L	98
51) Chlorobenzene	10.080	112	431084	49.493	ug/L	99
52) Ethylbenzene	10.195	91	736849	50.419	ug/L	98
53) m,p-Xylene	10.299	106	282352	50.453	ug/L	99
54) o-Xylene	10.640	106	279412	50.783	ug/L	94
55) Styrene	10.653	104	473868	50.833	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.214	83	238433	50.820	ug/L	99
59) Bromoform	10.799	173	103687	47.746	ug/L	99
60) Isopropylbenzene	10.964	105	743726	51.846	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	186567	47.900	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	619016	52.767	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	609413	52.244	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	330506	50.518	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	339240	50.674	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	329184	49.623	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	44886	46.704	ug/L	96
69) 1,3,5-Trichlorobenzene	13.110	180	223391	55.232	ug/L	100
70) 1,2,4-trichlorobenzene	13.585	180	207716	54.847	ug/L	98
71) Naphthalene	13.774	128	689898	51.141	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	204629	54.732	ug/L	99

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

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