

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122021\
 Data File : VX025943.D
 Acq On : 21 Dec 2021 02:36
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050734

Quant Time: Dec 21 03:08:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122021WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 21 01:32:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	162029	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	162544	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	60966	46.671	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.340%
7) Chloroethane-d5	1.666	69	53045	48.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.260%
11) 1,1-Dichloroethene-d2	2.312	63	108060	47.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.260%
21) 2-Butanone-d5	4.458	46	87933	93.311	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.310%
24) Chloroform-d	5.062	84	120910	48.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
26) 1,2-Dichloroethane-d4	5.958	65	79172	48.478	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
32) Benzene-d6	5.976	84	233201	47.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
36) 1,2-Dichloropropane-d6	7.312	67	71589	47.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.460%
41) Toluene-d8	8.653	98	220779	47.217	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.440%
43) trans-1,3-Dichloroprop...	8.951	79	28702	43.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.680%
47) 2-Hexanone-d5	9.384	63	63503	94.184	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.180%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	102876	48.416	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.840%
66) 1,2-Dichlorobenzene-d4	12.323	152	84933	48.522	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71267	50.923	ug/L	99
3) Chloromethane	1.294	50	69193	47.978	ug/L	97
5) Vinyl chloride	1.374	62	74406	50.699	ug/L	99
6) Bromomethane	1.605	94	48268	46.347	ug/L	97
8) Chloroethane	1.691	64	48833	50.292	ug/L	100
9) Trichlorofluoromethane	1.892	101	115049	53.109	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	52120	49.345	ug/L	87
12) 1,1-Dichloroethene	2.319	96	49027	48.322	ug/L #	60
13) Acetone	2.380	43	55710	73.895	ug/L	94
14) Carbon disulfide	2.514	76	137248	46.099	ug/L	99
15) Methyl Acetate	2.703	43	62931	46.071	ug/L #	90
16) Methylene chloride	2.794	84	59871	46.010	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	55835	46.673	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	179201	46.735	ug/L	97
19) 1,1-Dichloroethane	3.611	63	105997	49.129	ug/L	98
20) cis-1,2-Dichloroethene	4.495	96	63636	46.905	ug/L	94
22) 2-Butanone	4.562	43	91063	85.140	ug/L	98
23) Bromochloromethane	4.910	128	33274	46.834	ug/L	95
25) Chloroform	5.099	83	114901	48.739	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	94063	49.778	ug/L	95
29) Cyclohexane	5.476	56	100074	52.469	ug/L	96
30) 1,1,1-Trichloroethane	5.391	97	97222	48.726	ug/L	95
31) Carbon tetrachloride	5.678	117	83371	49.047	ug/L	99
33) Benzene	6.043	78	251358	49.157	ug/L	100
34) Trichloroethene	7.129	95	66541	50.019	ug/L	90
35) Methylcyclohexane	7.385	83	100933	52.483	ug/L	96
37) 1,2-Dichloropropane	7.433	63	62640	49.408	ug/L	99
38) Bromodichloromethane	7.824	83	83408	48.593	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	88623	47.249	ug/L	98
40) 4-Methyl-2-pentanone	8.573	43	186752	96.137	ug/L	96
42) Toluene	8.720	91	279219	50.347	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	81906	46.500	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	64217	48.630	ug/L	97
46) Tetrachloroethene	9.275	164	47942	46.996	ug/L	96
48) 2-Hexanone	9.433	43	142966	90.333	ug/L	97
49) Dibromochloromethane	9.525	129	66587	48.228	ug/L	97
50) 1,2-Dibromoethane	9.610	107	66925	47.910	ug/L	99
51) Chlorobenzene	10.079	112	176795	48.833	ug/L	97
52) Ethylbenzene	10.195	91	298862	50.241	ug/L	97
53) m,p-Xylene	10.305	106	116506	49.195	ug/L	91
54) o-Xylene	10.646	106	116106	50.396	ug/L	97
55) Styrene	10.659	104	197681	50.891	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	99599	48.297	ug/L	98
59) Bromoform	10.799	173	42929	46.261	ug/L	97
60) Isopropylbenzene	10.963	105	302462	51.459	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	80704	48.232	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	254023	51.172	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	255349	51.201	ug/L #	80
64) 1,3-Dichlorobenzene	11.969	146	130131	47.838	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	130701	47.989	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	131302	48.665	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	18249	46.689	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.115	180	84509	48.244	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	69916	48.549	ug/L	99
71) Naphthalene	13.780	128	257138	52.395	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	73400	50.901	ug/L	98

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

