

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122321\
 Data File : VX025986.D
 Acq On : 23 Dec 2021 21:22
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VICV659

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/26/2021
 Supervised By : Mahesh Dadoda 12/28/2021

Quant Time: Dec 23 21:47:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 23 21:00:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	210694	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	201998	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	108073	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	79400	53.142	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.280%
7) Chloroethane-d5	1.666	69	62932	52.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.400%
11) 1,1-Dichloroethene-d2	2.313	63	154991	52.347	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.700%
21) 2-Butanone-d5	4.459	46	137556	106.190	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.190%
24) Chloroform-d	5.062	84	161718	54.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.180%
26) 1,2-Dichloroethane-d4	5.958	65	108473	53.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.160%
32) Benzene-d6	5.977	84	310785	53.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.900%
36) 1,2-Dichloropropane-d6	7.312	67	96299	53.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.560%
41) Toluene-d8	8.653	98	287959	53.045	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.080%
43) trans-1,3-Dichloroprop...	8.952	79	43156	54.884	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.760%
47) 2-Hexanone-d5	9.385	63	101335	108.641	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.640%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	144908	54.376	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.760%
66) 1,2-Dichlorobenzene-d4	12.323	152	109522	53.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	109959	52.217	ug/L	100
3) Chloromethane	1.295	50	104103	53.259	ug/L	99
5) Vinyl chloride	1.374	62	101522	52.330	ug/L	98
6) Bromomethane	1.605	94	63153	57.007	ug/L	98
8) Chloroethane	1.685	64	61518	52.516	ug/L	99
9) Trichlorofluoromethane	1.892	101	153876	52.415	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	78185	51.647	ug/L	92
12) 1,1-Dichloroethene	2.319	96	73914m	52.204	ug/L	
13) Acetone	2.380	43	81956	115.727	ug/L	94
14) Carbon disulfide	2.514	76	204629	52.328	ug/L	98
15) Methyl Acetate	2.703	43	103829	53.198	ug/L #	91
16) Methylene chloride	2.794	84	86686	52.659	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	78882	52.319	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	266103	54.330	ug/L	96
19) 1,1-Dichloroethane	3.611	63	151527	53.289	ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	89870	53.409	ug/L	90
22) 2-Butanone	4.556	43	142729	108.244	ug/L	95
23) Bromochloromethane	4.904	128	45963	54.754	ug/L	87
25) Chloroform	5.099	83	160869	54.225	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.093	62	132207	54.026	ug/L	96
29) Cyclohexane	5.471	56	137335	51.763	ug/L	92
30) 1,1,1-Trichloroethane	5.385	97	130451	53.037	ug/L	95
31) Carbon tetrachloride	5.684	117	110244	51.717	ug/L	99
33) Benzene	6.044	78	339056	52.859	ug/L	100
34) Trichloroethene	7.129	95	85580	52.160	ug/L	92
35) Methylcyclohexane	7.385	83	134293	51.712	ug/L	95
37) 1,2-Dichloropropane	7.434	63	87115	53.507	ug/L	99
38) Bromodichloromethane	7.824	83	114978	53.886	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	130246	55.671	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	295804	108.068	ug/L	94
42) Toluene	8.720	91	364728	53.394	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	124949	56.278	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	85959	54.660	ug/L	98
46) Tetrachloroethene	9.275	164	64641	51.642	ug/L	97
48) 2-Hexanone	9.433	43	234117	112.454	ug/L	94
49) Dibromochloromethane	9.525	129	88365	54.407	ug/L	95
50) 1,2-Dibromoethane	9.610	107	90611	53.955	ug/L	99
51) Chlorobenzene	10.080	112	228015	53.030	ug/L	97
52) Ethylbenzene	10.195	91	392544	52.986	ug/L	95
53) m,p-Xylene	10.305	106	150508	53.220	ug/L	93
54) o-Xylene	10.647	106	148360	52.962	ug/L	91
55) Styrene	10.659	104	256587	54.259	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.214	83	143335	54.239	ug/L	95
59) Bromoform	10.799	173	59392	53.212	ug/L	99
60) Isopropylbenzene	10.964	105	390755	52.626	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	116390	53.899	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	334864	53.863	ug/L	95
63) 1,2,4-Trimethylbenzene	11.756	105	338068	54.281	ug/L #	81
64) 1,3-Dichlorobenzene	11.969	146	175475	52.966	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	177315	53.159	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	173462	52.955	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	29832	52.437	ug/L	84
69) 1,3,5-Trichlorobenzene	13.116	180	121032	54.419	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	109653	55.363	ug/L	96
71) Naphthalene	13.774	128	416716	55.655	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	111844	54.681	ug/L	100

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

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