

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122021\
 Data File : VX025910.D
 Acq On : 20 Dec 2021 12:35
 Operator : JC/MD
 Sample : VSTD00543
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005643

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2021
 Supervised By : Amit Patel 12/24/2021

Quant Time: Dec 20 14:12:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122021WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 14:11:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	174844	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	172910	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	79414	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	7146	5.148	ug/L	0.00
7) Chloroethane-d5	1.666	69	5856	5.007	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	12181	5.112	ug/L	0.00
21) 2-Butanone-d5	4.458	46	9803	9.586	ug/L	0.00
24) Chloroform-d	5.056	84	13680	5.052	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	9197	5.065	ug/L	0.00
32) Benzene-d6	5.976	84	26095	5.003	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	7845	4.910	ug/L	0.00
41) Toluene-d8	8.647	98	24770	5.049	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	3257	5.004	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	6123	9.070	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	10561	4.748	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	8451	5.025	ug/L	0.00
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7125	5.049	ug/L	100
3) Chloromethane	1.294	50	7848	5.047	ug/L	96
5) Vinyl chloride	1.374	62	7642	5.004	ug/L	96
6) Bromomethane	1.605	94	6119	5.236	ug/L	85
8) Chloroethane	1.685	64	5320	5.113	ug/L	98
9) Trichlorofluoromethane	1.886	101	11485	5.165	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5641	5.259	ug/L	89
12) 1,1-Dichloroethene	2.319	96	5114	4.876	ug/L #	62
13) Acetone	2.380	43	8266	9.850	ug/L	94
14) Carbon disulfide	2.514	76	15195	5.052	ug/L	97
15) Methyl Acetate	2.703	43	7482	5.009	ug/L #	90
16) Methylene chloride	2.794	84	7519	5.259	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	6677	5.254	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	20399	4.931	ug/L	97
19) 1,1-Dichloroethane	3.605	63	11118	4.839	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	7375	5.105	ug/L	94
22) 2-Butanone	4.562	43	11099	9.519	ug/L	96
23) Bromochloromethane	4.897	128	3855m	5.898	ug/L	
25) Chloroform	5.093	83	12460	4.885	ug/L	94
27) 1,2-Dichloroethane	6.080	62	10178	4.932	ug/L #	92
29) Cyclohexane	5.477	56	9301	4.967	ug/L #	63
30) 1,1,1-Trichloroethane	5.385	97	9997	4.901	ug/L #	87
31) Carbon tetrachloride	5.672	117	8061m	5.412	ug/L	
33) Benzene	6.037	78	26291	4.899	ug/L	100
34) Trichloroethene	7.129	95	6764	4.889	ug/L	95
35) Methylcyclohexane	7.373	83	8966	4.882	ug/L	95
37) 1,2-Dichloropropane	7.434	63	6556	4.928	ug/L #	96
38) Bromodichloromethane	7.824	83	8373	4.736	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	8785	4.772	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	18873	9.381	ug/L	98
42) Toluene	8.720	91	27651	4.834	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7567	4.484	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	6760	4.856	ug/L	93
46) Tetrachloroethene	9.275	164	5004	4.884	ug/L	92
48) 2-Hexanone	9.433	43	15541	9.488	ug/L #	95
49) Dibromochloromethane	9.519	129	6477	4.695	ug/L	95
50) 1,2-Dibromoethane	9.610	107	6856	4.739	ug/L #	88
51) Chlorobenzene	10.079	112	18366	4.895	ug/L	98
52) Ethylbenzene	10.195	91	28732	4.759	ug/L	94
53) m,p-Xylene	10.299	106	11282	4.732	ug/L	97
54) o-Xylene	10.640	106	10975	4.727	ug/L	89
55) Styrene	10.659	104	17518	4.567	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	10473	4.836	ug/L	94
59) Bromoform	10.799	173	3763	4.583	ug/L #	94
60) Isopropylbenzene	10.963	105	26605	4.871	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	8308	5.007	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	22020	4.808	ug/L	94
63) 1,2,4-Trimethylbenzene	11.750	105	22533	4.889	ug/L #	80
64) 1,3-Dichlorobenzene	11.969	146	12553	4.946	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	12921	5.030	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	12952	5.032	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	1592	4.457	ug/L	91
69) 1,3,5-Trichlorobenzene	13.115	180	7760	4.915	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5538	4.520	ug/L	97
71) Naphthalene	13.780	128	16651	4.090	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5382	4.409	ug/L	91

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

