

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111121\
 Data File : VX025130.D
 Acq On : 11 Nov 2021 14:49
 Operator : JC/MD
 Sample : VSTD20034
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200634

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/12/2021

Quant Time: Nov 11 15:12:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 11 14:40:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	226992	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	209480	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	115089	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	289453	148.705	ug/L	0.00
7) Chloroethane-d5	1.654	69	125548	110.231	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	504943	136.117	ug/L	0.00
21) 2-Butanone-d5	4.465	46	454798	333.419	ug/L	0.00
24) Chloroform-d	5.062	84	520820	138.210	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	307906	126.425	ug/L	0.00
32) Benzene-d6	5.976	84	1090157	156.404	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	332134	154.969	ug/L	0.00
41) Toluene-d8	8.653	98	1044101	169.013	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	184754	166.140	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	371940	401.388	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	503339	166.524	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	428617	192.202	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	327249	146.305	ug/L	97
3) Chloromethane	1.288	50	354662	208.915	ug/L	88
5) Vinyl chloride	1.374	62	366407	189.091	ug/L	98
6) Bromomethane	1.605	94	132765	117.436	ug/L	95
8) Chloroethane	1.679	64	192940	178.079	ug/L	98
9) Trichlorofluoromethane	1.880	101	535612	155.923	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	282050	158.758	ug/L	98
12) 1,1-Dichloroethene	2.319	96	273888	172.905	ug/L #	81
13) Acetone	2.386	43	406339	306.605	ug/L	98
14) Carbon disulfide	2.508	76	815622	192.963	ug/L	99
15) Methyl Acetate	2.703	43	330485m	175.290	ug/L	
16) Methylene chloride	2.788	84	295231m	166.916	ug/L	
17) trans-1,2-Dichloroethene	3.093	96	291478	179.142	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	927746	152.476	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	502371	153.391	ug/L	94
20) cis-1,2-Dichloroethene	4.489	96	324637	173.834	ug/L #	100
22) 2-Butanone	4.562	43	552598	343.932	ug/L	83
23) Bromochloromethane	4.904	128	165139	185.011	ug/L #	73
25) Chloroform	5.099	83	514553	144.295	ug/L	98
27) 1,2-Dichloroethane	6.092	62	384997m	141.646	ug/L	
29) Cyclohexane	5.477	56	501383	165.830	ug/L	85
30) 1,1,1-Trichloroethane	5.391	97	472121	135.909	ug/L #	94
31) Carbon tetrachloride	5.684	117	422220	150.684	ug/L	98
33) Benzene	6.044	78	1206731	162.311	ug/L	100
34) Trichloroethene	7.129	95	314927	162.183	ug/L	84
35) Methylcyclohexane	7.385	83	534997	179.798	ug/L	93
37) 1,2-Dichloropropane	7.434	63	305882	173.706	ug/L	99
38) Bromodichloromethane	7.824	83	409479	160.270	ug/L	97
39) cis-1,3-Dichloropropene	8.372	75	507606	174.562	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	969594	349.086	ug/L #	84
42) Toluene	8.720	91	1339058	180.749	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	499129	177.951	ug/L	98

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45) 1,1,2-Trichloroethane	9.153	97	306697	189.976	ug/L	99
46) Tetrachloroethene	9.275	164	262634	232.355	ug/L	90
48) 2-Hexanone	9.439	43	825684	367.038	ug/L #	84
49) Dibromochloromethane	9.525	129	356822	205.003	ug/L	100
50) 1,2-Dibromoethane	9.616	107	331908	191.798	ug/L #	96
51) Chlorobenzene	10.086	112	854292	196.678	ug/L	97
52) Ethylbenzene	10.195	91	1458876	184.140	ug/L	95
53) m,p-Xylene	10.305	106	593687	201.963	ug/L	81
54) o-Xylene	10.646	106	577977	205.467	ug/L	85
55) Styrene	10.659	104	1022028	209.924	ug/L	88
57) 1,1,2,2-Tetrachloroethane	11.213	83	501492	167.892	ug/L	97
59) Bromoform	10.805	173	289732	216.091	ug/L #	95
60) Isopropylbenzene	10.963	105	1504167	167.052	ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	396207	150.097	ug/L	94
62) 1,3,5-Trimethylbenzene	11.457	105	1277933	166.429	ug/L	89
63) 1,2,4-Trimethylbenzene	11.756	105	1293992m	172.872	ug/L	
64) 1,3-Dichlorobenzene	11.975	146	694670	200.348	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	696698	197.685	ug/L	95
67) 1,2-Dichlorobenzene	12.341	146	692046	195.219	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	124105	156.821	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.115	180	513868	213.160	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	472607	234.451	ug/L	98
71) Naphthalene	13.780	128	1627237	230.072	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	468052	238.632	ug/L	96

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

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