

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025232.D
 Acq On : 19 Nov 2021 11:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050710

Quant Time: Nov 22 00:07:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 19 05:25:45 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2021
 Supervised By : Mahesh Dadoda 11/22/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	157614	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	150846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	75992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	50676	47.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.180%
7) Chloroethane-d5	1.660	69	41379	68.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	136.360%#
11) 1,1-Dichloroethene-d2	2.307	63	81682	44.601	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
21) 2-Butanone-d5	4.452	46	77003	95.695	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.700%
24) Chloroform-d	5.056	84	89652	47.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.720%
26) 1,2-Dichloroethane-d4	5.958	65	55080	48.510	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.020%
32) Benzene-d6	5.977	84	183662	44.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.220%
36) 1,2-Dichloropropane-d6	7.312	67	55696	44.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.620%
41) Toluene-d8	8.653	98	172176	43.792	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
43) trans-1,3-Dichloroprop...	8.952	79	28728	42.097	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.200%
47) 2-Hexanone-d5	9.385	63	59980	88.853	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.850%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	81416	44.966	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.940%
66) 1,2-Dichlorobenzene-d4	12.323	152	69077	45.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.720%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	48645	39.490	ug/L	98
3) Chloromethane	1.295	50	50901	38.168	ug/L	87
5) Vinyl chloride	1.374	62	57505	41.815	ug/L	99
6) Bromomethane	1.599	94	27915	52.897	ug/L	98
8) Chloroethane	1.679	64	38597	55.890	ug/L	98
9) Trichlorofluoromethane	1.880	101	88017	43.847	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	47737	45.892	ug/L	97
12) 1,1-Dichloroethene	2.319	96	44103	43.887	ug/L	82
13) Acetone	2.380	43	85040	112.664	ug/L	100
14) Carbon disulfide	2.508	76	110000	35.526	ug/L	98
15) Methyl Acetate	2.703	43	61725	50.228	ug/L #	82
16) Methylene chloride	2.788	84	54751	49.251	ug/L	83
17) trans-1,2-Dichloroethene	3.093	96	48593	44.524	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	175891	51.561	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	89431	48.442	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	59098	48.940	ug/L	98
22) 2-Butanone	4.556	43	107211	106.702	ug/L	85
23) Bromochloromethane	4.898	128	32884	52.894	ug/L #	81
25) Chloroform	5.099	83	97406	51.478	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	6.086	62	72764	52.447	ug/L	#	88
29) Cyclohexane	5.471	56	75695	39.278	ug/L		88
30) 1,1,1-Trichloroethane	5.385	97	84476	45.573	ug/L	#	93
31) Carbon tetrachloride	5.678	117	73962	45.188	ug/L		99
33) Benzene	6.038	78	211817	45.704	ug/L		100
34) Trichloroethene	7.123	95	55289	45.653	ug/L		83
35) Methylcyclohexane	7.379	83	82397	40.234	ug/L		95
37) 1,2-Dichloropropane	7.434	63	54672	47.092	ug/L		100
38) Bromodichloromethane	7.824	83	76475	48.676	ug/L		99
39) cis-1,3-Dichloropropene	8.366	75	87921	46.121	ug/L		99
40) 4-Methyl-2-pentanone	8.574	43	182564	98.945	ug/L	#	84
42) Toluene	8.720	91	235110	46.706	ug/L		97
44) trans-1,3-Dichloropropene	8.976	75	88629	47.772	ug/L		95
45) 1,1,2-Trichloroethane	9.153	97	59881	51.079	ug/L		99
46) Tetrachloroethene	9.275	164	46773	46.290	ug/L		89
48) 2-Hexanone	9.433	43	151547	100.203	ug/L	#	84
49) Dibromochloromethane	9.525	129	68262	51.008	ug/L		99
50) 1,2-Dibromoethane	9.610	107	63694	50.767	ug/L	#	97
51) Chlorobenzene	10.080	112	160212	49.533	ug/L		97
52) Ethylbenzene	10.195	91	253576	46.864	ug/L		93
53) m,p-Xylene	10.305	106	104090	47.580	ug/L		76
54) o-Xylene	10.640	106	104936	48.610	ug/L		83
55) Styrene	10.659	104	178119	48.591	ug/L		79
57) 1,1,2,2-Tetrachloroethane	11.213	83	93444	50.204	ug/L		97
59) Bromoform	10.799	173	53718	52.307	ug/L	#	96
60) Isopropylbenzene	10.964	105	257458	47.380	ug/L		94
61) 1,2,3-Trichloropropane	11.238	75	74857	52.314	ug/L		96
62) 1,3,5-Trimethylbenzene	11.451	105	220278m	47.780	ug/L		
63) 1,2,4-Trimethylbenzene	11.756	105	223183m	48.251	ug/L		
64) 1,3-Dichlorobenzene	11.969	146	127221	51.360	ug/L		94
65) 1,4-Dichlorobenzene	12.043	146	126461	51.099	ug/L		93
67) 1,2-Dichlorobenzene	12.335	146	125458	50.994	ug/L		93
68) 1,2-Dibromo-3-chloropr...	12.945	75	20361	49.199	ug/L	#	61
69) 1,3,5-Trichlorobenzene	13.116	180	87832	49.012	ug/L		97
70) 1,2,4-trichlorobenzene	13.591	180	77410	49.521	ug/L		96
71) Naphthalene	13.780	128	276902	52.238	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	77167	49.795	ug/L		94

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

