

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
 Data File : VV032647.D
 Acq On : 25 Oct 2023 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Quant Time: Oct 26 05:06:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 26 04:59:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/26/2023
 Supervised By : Mahesh Dadoda 10/27/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	93312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	108156	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	56472	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	36465	4.805	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.532	69	33015	5.359	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.200%
11) 1,1-Dichloroethene-d2	2.060	65	15231	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.815	46	59348	30.914	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.820%
24) Chloroform-d	4.253	84	64617	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	4.944	65	31993	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	4.960	84	124804	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	5.992	67	36998	3.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.200%
41) Toluene-d8	7.246	98	129572	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	7.558	79	15574	4.168	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.031	63	73857	42.012	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.020%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33435	4.533	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	45803	4.371	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	46548	4.477	ug/L	99
3) Chloromethane	1.214	50	46420	4.428	ug/L	100
5) Vinyl chloride	1.282	62	47774	4.778	ug/L	100
6) Bromomethane	1.487	94	28835	4.774	ug/L	99
8) Chloroethane	1.548	64	31821	5.287	ug/L	99
9) Trichlorofluoromethane	1.712	101	63125	5.265	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	37801	5.203	ug/L	99
12) 1,1-Dichloroethene	2.069	96	34436	5.032	ug/L	91
13) Acetone	2.137	43	56241m	38.010	ug/L	
14) Carbon disulfide	2.240	76	90268	3.773	ug/L	100
15) Methyl Acetate	2.384	43	12379	3.716	ug/L	95
16) Methylene chloride	2.446	84	42087	4.717	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	82180	4.411	ug/L	97
18) trans-1,2-Dichloroethene	2.693	96	34248	4.369	ug/L	97
19) 1,1-Dichloroethane	3.111	63	67174	4.556	ug/L	97
21) 2-Butanone	3.892	43	69825	30.177	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	36979	4.381	ug/L	99
23) Bromochloromethane	4.153	128	17733	4.994	ug/L	95
25) Chloroform	4.278	83	73922	5.109	ug/L	99

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27) 1,2-Dichloroethane	5.043	62	43964	5.144	ug/L	96
29) 1,1,1-Trichloroethane	4.513	97	60565	4.119	ug/L	99
30) Cyclohexane	4.584	56	46418	2.873	ug/L	97
31) Carbon tetrachloride	4.735	117	51649	4.151	ug/L	99
33) Benzene	5.011	78	153668	4.035	ug/L	100
34) Trichloroethene	5.834	95	38237	3.678	ug/L	99
35) Methylcyclohexane	6.050	83	54217	3.370	ug/L	96
37) 1,2-Dichloropropane	6.095	63	38156	3.747	ug/L #	96
38) Bromodichloromethane	6.436	83	58584	4.842	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	57992	4.002	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	262208	40.687	ug/L	98
42) Toluene	7.317	91	182058	4.485	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	49186	4.130	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	34053	4.740	ug/L	97
47) Tetrachloroethene	7.908	164	33880	4.298	ug/L	99
48) 2-Hexanone	8.079	43	187168	41.164	ug/L	99
49) Dibromochloromethane	8.178	129	36819	4.923	ug/L	95
50) 1,2-Dibromoethane	8.285	107	30604	4.504	ug/L	97
51) Chlorobenzene	8.815	112	116142	4.444	ug/L	98
52) Ethylbenzene	8.947	91	189959	4.202	ug/L	100
53) m,p-Xylene	9.075	106	73098	4.360	ug/L	97
54) o-Xylene	9.481	106	69787	4.320	ug/L	93
55) Styrene	9.497	104	125564	4.603	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	38895	4.921	ug/L	99
59) Bromoform	9.667	173	19892	4.844	ug/L	99
60) Isopropylbenzene	9.870	105	189989	4.329	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	27078	4.505	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	145433	4.066	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	145231	4.078	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	94061	4.486	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	95858	4.557	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	86121	4.504	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5865	4.776	ug/L	85
69) 1,3,5-Trichlorobenzene	12.583	180	64783	4.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	52877	3.882	ug/L	99
71) Naphthalene	13.442	128	80286	3.470	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	50346	4.290	ug/L	97

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

