

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029324.D
 Acq On : 24 Nov 2022 03:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005368

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 24 04:05:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 01:40:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	289492	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	256437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	134980	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	87198	4.895	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.565	69	63155	4.843	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.105	63	137450	4.821	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	3.905	46	150484	50.493	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.980%
24) Chloroform-d	4.339	84	158189	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.027	65	70752	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.043	84	339826	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.063	67	94934	4.767	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.307	98	321988	4.813	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	7.616	79	36987	4.817	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.085	63	135419	49.479	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.960%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	62801	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	115110	4.882	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.127	85	105243	4.872	ug/L	100
3) Chloromethane	1.240	50	98728	4.989	ug/L	100
5) Vinyl chloride	1.310	62	97967	4.968	ug/L	98
6) Bromomethane	1.519	94	48799	3.966	ug/L	99
8) Chloroethane	1.584	64	58119	4.959	ug/L	99
9) Trichlorofluoromethane	1.751	101	135474	4.908	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	73147	4.753	ug/L	99
12) 1,1-Dichloroethene	2.114	96	73093	4.910	ug/L	97
13) Acetone	2.214	43	92169	42.534	ug/L	59
14) Carbon disulfide	2.291	76	207557	4.799	ug/L	100
15) Methyl Acetate	2.439	43	29430m	4.726	ug/L	
16) Methylene chloride	2.503	84	97083	4.268	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	194206	5.103	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	85079	4.980	ug/L	97
19) 1,1-Dichloroethane	3.182	63	155375	5.053	ug/L	98
21) 2-Butanone	3.989	43	157456	46.415	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	96578	4.942	ug/L	96
23) Bromochloromethane	4.243	128	41194	5.263	ug/L	98
25) Chloroform	4.368	83	160622	5.003	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	88388	5.081	ug/L	97
29) 1,1,1-Trichloroethane	4.600	97	143245	4.856	ug/L	99
30) Cyclohexane	4.670	56	139682	4.791	ug/L	99
31) Carbon tetrachloride	4.818	117	119813	4.803	ug/L	100
33) Benzene	5.092	78	365795	4.769	ug/L	100
34) Trichloroethene	5.908	95	94350	4.822	ug/L	98
35) Methylcyclohexane	6.124	83	155452	4.707	ug/L	100
37) 1,2-Dichloropropane	6.166	63	85701	4.743	ug/L	100
38) Bromodichloromethane	6.503	83	105166	4.862	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	125119	4.738	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	423314	50.070	ug/L	100
42) Toluene	7.381	91	395036	4.799	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	100271	4.793	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	59702	4.881	ug/L	99
47) Tetrachloroethene	7.966	164	76476	4.768	ug/L	97
48) 2-Hexanone	8.137	43	294649	49.993	ug/L	99
49) Dibromochloromethane	8.236	129	67194	4.883	ug/L	99
50) 1,2-Dibromoethane	8.346	107	53242	4.988	ug/L	97
51) Chlorobenzene	8.873	112	252720	4.912	ug/L	98
52) Ethylbenzene	9.005	91	430782	5.019	ug/L	100
53) m,p-Xylene	9.130	106	168102	4.966	ug/L	98
54) o-Xylene	9.535	106	164123	4.936	ug/L	98
55) Styrene	9.551	104	280865	5.004	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	63344	5.005	ug/L	100
59) Bromoform	9.722	173	36129	5.095	ug/L	100
60) Isopropylbenzene	9.921	105	441833	5.063	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	47482	5.072	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	375119	4.964	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	378708	4.983	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	200909	4.935	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	198136	4.919	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	185589	4.948	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	9130	4.966	ug/L	97
69) 1,3,5-Trichlorobenzene	12.632	180	161123	4.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	131006	4.820	ug/L	99
71) Naphthalene	13.493	128	95836	4.073	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	109116	4.931	ug/L	98

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

