

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101822\
 Data File : VV028602.D
 Acq On : 18 Oct 2022 09:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2022
 Supervised By : Mahesh Dadoda 10/21/2022

Quant Time: Oct 19 00:27:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 18 01:19:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	269136	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	254828	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	126849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	108062	4.665	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	93.400%	
7) Chloroethane-d5	1.564	69	99024	5.200	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.000%	
11) 1,1-Dichloroethene-d2	2.101	63	210553	5.019	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	100.400%	
20) 2-Butanone-d5	3.892	46	196182m	39.399	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	78.800%	
24) Chloroform-d	4.339	84	179133	5.051	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
26) 1,2-Dichloroethane-d4	5.024	65	85035	4.600	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.000%	
32) Benzene-d6	5.040	84	347869	4.228	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.600%	
36) 1,2-Dichloropropane-d6	6.063	67	115130	4.336	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.800%	
41) Toluene-d8	7.307	98	300832	4.615	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.200%	
43) trans-1,3-Dichloroprop...	7.616	79	38254	4.264	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.200%	
46) 2-Hexanone-d5	8.085	63	186832	48.256	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	96.520%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	76116	4.814	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.200%	
66) 1,2-Dichlorobenzene-d4	11.615	152	99306	4.744	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	85213	5.606	ug/L	99
3) Chloromethane	1.236	50	131570	5.171	ug/L	99
5) Vinyl chloride	1.307	62	137145	5.534	ug/L	98
6) Bromomethane	1.519	94	61817	5.539	ug/L	94
8) Chloroethane	1.580	64	92285	5.742	ug/L	96
9) Trichlorofluoromethane	1.748	101	170309	5.623	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	104289	5.841	ug/L	99
12) 1,1-Dichloroethene	2.111	96	95139	5.685	ug/L	96
13) Acetone	2.185	43	128784m	36.831	ug/L	
14) Carbon disulfide	2.288	76	216981	4.630	ug/L	100
15) Methyl Acetate	2.433	43	50032m	6.047	ug/L	
16) Methylene chloride	2.500	84	97464	4.129	ug/L	93
17) Methyl tert-butyl Ether	2.760	73	199279	4.688	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	90101	5.163	ug/L	98
19) 1,1-Dichloroethane	3.182	63	196615	5.006	ug/L	99
21) 2-Butanone	3.979	43	185609m	37.061	ug/L	
22) cis-1,2-Dichloroethene	3.902	96	102092	5.174	ug/L	# 90
23) Bromochloromethane	4.239	128	38353	5.069	ug/L	89
25) Chloroform	4.365	83	189707	5.097	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	102105	4.608	ug/L #	95
29) 1,1,1-Trichloroethane	4.600	97	154854	4.396	ug/L	97
30) Cyclohexane	4.667	56	168730	4.149	ug/L	96
31) Carbon tetrachloride	4.818	117	121706	4.394	ug/L	99
33) Benzene	5.092	78	410650	4.561	ug/L	100
34) Trichloroethene	5.908	95	100315	4.665	ug/L	96
35) Methylcyclohexane	6.124	83	164030	4.581	ug/L	97
37) 1,2-Dichloropropane	6.165	63	112026	4.889	ug/L	99
38) Bromodichloromethane	6.503	83	125065	4.786	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	145475	4.765	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	624065	50.010	ug/L	98
42) Toluene	7.378	91	431037	5.102	ug/L	99
44) trans-1,3-Dichloropropene	7.644	75	115488	4.934	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	65968	5.179	ug/L	97
47) Tetrachloroethene	7.966	164	69124	4.938	ug/L	99
48) 2-Hexanone	8.133	43	438360	50.786	ug/L	99
49) Dibromochloromethane	8.236	129	69405	5.108	ug/L	95
50) 1,2-Dibromoethane	8.345	107	57000	5.081	ug/L	96
51) Chlorobenzene	8.873	112	265324	5.066	ug/L	99
52) Ethylbenzene	9.005	91	474475	5.056	ug/L	99
53) m,p-Xylene	9.130	106	175004	4.986	ug/L	98
54) o-Xylene	9.535	106	168587	4.955	ug/L	97
55) Styrene	9.551	104	290922	5.055	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	76863	4.911	ug/L	98
59) Bromoform	9.725	173	32625	5.108	ug/L	96
60) Isopropylbenzene	9.921	105	465414	5.026	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	54896	4.843	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	134669	4.835	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	374196	4.913	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	197309	5.051	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	195441	5.105	ug/L	96
67) 1,2-Dichlorobenzene	11.635	146	176123	5.026	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	10281	4.369	ug/L	93
69) 1,3,5-Trichlorobenzene	12.635	180	144996	5.075	ug/L	100
70) 1,2,4-trichlorobenzene	13.252	180	111000	5.100	ug/L	97
71) Naphthalene	13.493	128	155441	4.766	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	94444	5.266	ug/L	100

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

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