

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052120\
 Data File : VV016166.D
 Acq On : 21 May 2020 20:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Quant Time: May 22 01:58:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:50:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146383	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	140415	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34086	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	37682	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.13	63	85407	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	3.93	46	115818	51.13	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.38	84	87796	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.06	65	49152	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	176507	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.10	67	55858	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.34	98	162671	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
45) trans-1,3-Dichloropropene-	7.65	79	18217	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.11	63	90506	51.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38415	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	59353	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	47867	4.267	ug/L	97
3) Chloromethane	1.25	50	50704	4.465	ug/L	99
5) Vinyl chloride	1.32	62	51193	4.714	ug/L	98
6) Bromomethane	1.53	94	23772	3.857	ug/L	100
8) Chloroethane	1.60	64	33305	4.305	ug/L	100
9) Trichlorofluoromethane	1.77	101	74278	4.987	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45196	5.372	ug/L	99
12) 1,1-Dichloroethene	2.14	96	41889	5.200	ug/L	97
13) Acetone	2.22	43	61898	41.422	ug/L	71
14) Carbon disulfide	2.32	76	111930	4.209	ug/L	98
15) Methyl Acetate	2.47	43	14060	4.072	ug/L	95
16) Methylene chloride	2.53	84	48583	5.040	ug/L	96
17) Methyl tert-butyl Ether	2.79	73	91133	4.354	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44031	4.946	ug/L	97
19) 1,1-Dichloroethane	3.22	63	86319	5.034	ug/L	97
21) 2-Butanone	4.02	43	99017	43.510	ug/L	100
22) cis-1,2-Dichloroethene	3.94	96	45687	4.902	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	18358	4.615	ug/L	96
25) Chloroform	4.41	83	99702	5.280	ug/L	97
27) 1,2-Dichloroethane	5.16	62	52564	4.530	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	79343	5.124	ug/L	100
30) Cyclohexane	4.71	56	76198	4.911	ug/L	99
31) Carbon tetrachloride	4.86	117	65279	4.885	ug/L	99
33) Benzene	5.13	78	184876	5.233	ug/L	100
34) Trichloroethene	5.94	95	47073	4.668	ug/L	92
35) Methylcyclohexane	6.16	83	75118	4.925	ug/L	99
37) 1,2-Dichloropropane	6.20	63	46549	5.186	ug/L	99
38) Bromodichloromethane	6.53	83	54947	4.821	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	57928	4.566	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	238364	42.609	ug/L	100
42) Toluene	7.41	91	199381	5.324	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	185007	5.382	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	183469	5.341	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	46727	4.361	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	28295	4.721	ug/L	98
49) Tetrachloroethene	8.00	164	35851	5.096	ug/L	99
50) 2-Hexanone	8.16	43	169977	42.966	ug/L	99
51) Dibromochloromethane	8.27	129	30425	4.518	ug/L	99
52) 1,2-Dibromoethane	8.38	107	25545	4.595	ug/L	98
53) Chlorobenzene	8.90	112	126415	5.249	ug/L	99
54) Ethylbenzene	9.04	91	226890	5.329	ug/L	100
55) m,p-xylene	9.16	106	85267	5.408	ug/L	97
56) o-xylene	9.57	106	81660	5.417	ug/L	96
57) Styrene	9.58	104	136357	5.408	ug/L	99
58) Isopropylbenzene	9.95	105	223361	5.394	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	32973	5.148	ug/L	99
62) Bromoform	9.75	173	12648	3.956	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	99410	5.301	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	98879	5.249	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	88310	5.204	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	5167	4.665	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	70117	5.114	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	56976	4.837	ug/L	99
70) Naphthalene	13.53	128	91107	4.863	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	50267	4.837	ug/L	98

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

