

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016029.D
 Acq On : 12 May 2020 21:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: May 13 07:00:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138707	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137174	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	72070	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46309	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.58	69	42396	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.80%
11) 1,1-Dichloroethene-d2	2.12	63	89572	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	3.92	46	127080	59.20	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.40%
24) Chloroform-d	4.38	84	89485	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.06	65	52218	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.08	84	180301	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.10	67	55777	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.34	98	169757	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
45) trans-1,3-Dichloropropene-	7.64	79	20112	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
48) 2-Hexanone-d5	8.11	63	98168	57.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39386	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	59337	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	53274	5.012	ug/L	99
3) Chloromethane	1.24	50	54482	5.063	ug/L	100
5) Vinyl chloride	1.32	62	52907	5.142	ug/L	99
6) Bromomethane	1.53	94	27031	4.629	ug/L	100
8) Chloroethane	1.59	64	34487	4.704	ug/L	97
9) Trichlorofluoromethane	1.76	101	75891	5.377	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	41215	5.170	ug/L	98
12) 1,1-Dichloroethene	2.13	96	38463	5.039	ug/L	93
13) Acetone	2.20	43	73650	52.014	ug/L	69
14) Carbon disulfide	2.31	76	121896	4.837	ug/L	99
15) Methyl Acetate	2.46	43	18766	5.735	ug/L	94
16) Methylene chloride	2.52	84	50198	5.496	ug/L	98
17) Methyl tert-butyl Ether	2.78	73	100353	5.059	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44721	5.301	ug/L	99
19) 1,1-Dichloroethane	3.21	63	86061	5.297	ug/L	99
21) 2-Butanone	4.01	43	116930	54.225	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	46137	5.225	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	19635	5.209	ug/L	98
25) Chloroform	4.40	83	95718	5.349	ug/L	97
27) 1,2-Dichloroethane	5.16	62	56729	5.160	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	76503	5.057	ug/L	97
30) Cyclohexane	4.70	56	76245	5.030	ug/L	98
31) Carbon tetrachloride	4.85	117	65950	5.052	ug/L	100
33) Benzene	5.13	78	184985	5.360	ug/L	100
34) Trichloroethene	5.94	95	48506	4.924	ug/L	95
35) Methylcyclohexane	6.15	83	74450	4.996	ug/L	98
37) 1,2-Dichloropropane	6.20	63	46155	5.264	ug/L	99
38) Bromodichloromethane	6.53	83	56586	5.082	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	59667	4.815	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	291467	53.333	ug/L	100
42) Toluene	7.41	91	196791	5.379	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	176854	5.266	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	176893	5.271	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	51069	4.878	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	31083	5.308	ug/L	97
49) Tetrachloroethene	8.00	164	35795	5.208	ug/L	99
50) 2-Hexanone	8.16	43	215022	55.637	ug/L	98
51) Dibromochloromethane	8.27	129	32747	4.977	ug/L	93
52) 1,2-Dibromoethane	8.38	107	28399	5.230	ug/L	95
53) Chlorobenzene	8.90	112	123243	5.238	ug/L	97
54) Ethylbenzene	9.04	91	217837	5.237	ug/L	98
55) m,p-xylene	9.16	106	81710	5.305	ug/L	100
56) o-xylene	9.57	106	78863	5.356	ug/L	97
57) Styrene	9.58	104	131877	5.354	ug/L	99
58) Isopropylbenzene	9.95	105	214237	5.296	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	33807	5.403	ug/L	95
62) Bromoform	9.75	173	14274	4.311	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	99368	5.118	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	98651	5.057	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	89481	5.092	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	5599	4.882	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	71031	5.003	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	58370	4.785	ug/L	100
70) Naphthalene	13.53	128	92024	4.743	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	53068	4.931	ug/L	100

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

