

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017276.D
 Acq On : 01 Jul 2020 09:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Manual Integrations
 APPROVED

apatel
 7/6/2020 10:13:31 AM

Quant Time: Jul 02 03:01:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 21:41:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	174676	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	169509	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	91320	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46742	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	41065	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.12	63	99029	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	3.95	46	132875	49.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.46%
24) Chloroform-d	4.37	84	126379	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.06	65	66312	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.07	84	221472	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	63946	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.33	98	203194	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	7.64	79	28542	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
48) 2-Hexanone-d5	8.11	63	104632	50.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	50457	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	82606	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	72776	5.219 ug/L	99
3) Chloromethane	1.25	50	56342	4.768 ug/L	100
5) Vinyl chloride	1.32	62	58089	5.068 ug/L	99
6) Bromomethane	1.53	94	36021	5.392 ug/L	96
8) Chloroethane	1.60	64	33812	5.338 ug/L	99
9) Trichlorofluoromethane	1.77	101	109741	5.912 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50371	5.445 ug/L	95
12) 1,1-Dichloroethene	2.13	96	44732	5.336 ug/L	87
13) Acetone	2.24	43	66491m	49.229 ug/L	
14) Carbon disulfide	2.31	76	131003	5.215 ug/L	98
15) Methyl Acetate	2.46	43	14543	4.404 ug/L #	82
16) Methylene chloride	2.52	84	47149	5.252 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	116076	5.514 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	48583	5.469 ug/L	97
19) 1,1-Dichloroethane	3.21	63	109204	5.471 ug/L	98
21) 2-Butanone	4.04	43	120100	47.171 ug/L #	69
22) cis-1,2-Dichloroethene	3.94	96	61895	5.095 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	27468	5.320	ug/L	92
25) Chloroform	4.40	83	119361	5.475	ug/L	100
27) 1,2-Dichloroethane	5.15	62	72649	5.364	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	112283	5.529	ug/L	98
30) Cyclohexane	4.69	56	90489	4.682	ug/L	98
31) Carbon tetrachloride	4.85	117	103100	5.626	ug/L	98
33) Benzene	5.12	78	233144	5.252	ug/L	100
34) Trichloroethene	5.94	95	63069	4.852	ug/L	96
35) Methylcyclohexane	6.15	83	99277	4.913	ug/L	98
37) 1,2-Dichloropropane	6.20	63	57460	5.229	ug/L	100
38) Bromodichloromethane	6.53	83	80548	5.396	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	80912	4.956	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	317036	49.968	ug/L	99
42) Toluene	7.41	91	260159	5.041	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	240480	5.210	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	246977	5.255	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	73893	5.232	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	40762	5.230	ug/L	97
49) Tetrachloroethene	7.99	164	56219	5.373	ug/L	97
50) 2-Hexanone	8.16	43	230122	50.965	ug/L	98
51) Dibromochloromethane	8.27	129	54910	5.812	ug/L	94
52) 1,2-Dibromoethane	8.37	107	38765	5.244	ug/L	93
53) Chlorobenzene	8.90	112	166112	5.163	ug/L	98
54) Ethylbenzene	9.03	91	284153	5.158	ug/L	97
55) m,p-xylene	9.16	106	109618	5.073	ug/L	100
56) o-xylene	9.56	106	105735	5.244	ug/L	97
57) Styrene	9.58	104	179459	5.371	ug/L	100
58) Isopropylbenzene	9.95	105	290563	5.237	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	45593	5.655	ug/L	93
62) Bromoform	9.75	173	30536	6.250	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	142628	5.188	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	140865	5.041	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	129842	5.204	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	7867	5.700	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	109169	4.942	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	86921	4.780	ug/L	99
70) Naphthalene	13.53	128	122702	4.779	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	78605	5.300	ug/L	100

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

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