

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR072018\
 Data File : VR025529.D
 Acq On : 20 Jul 2018 12:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 9:04:12 AM

Quant Time: Jul 20 23:34:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	605081	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	513427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	202363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	89831	5.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.80%
7) Chloroethane-d5	2.64	69	66895	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	3.64	63	258476	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	6.59	46	216606	41.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.62%
24) Chloroform-d	7.20	84	411065	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	7.90	65	151088	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	7.86	84	867965	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	8.90	67	235238	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	9.97	98	806861	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	10.24	79	58819	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	10.59	63	202631	47.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	100848	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	164685	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	161569	4.726	ug/L 99
3) Chloromethane	2.01	50	89170	4.400	ug/L 96
5) Vinyl chloride	2.16	62	92767	5.095	ug/L 97
6) Bromomethane	2.53	94	48613	4.537	ug/L 94
8) Chloroethane	2.67	64	51170	4.514	ug/L 99
9) Trichlorofluoromethane	2.98	101	170889m	5.744	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	99372	5.487	ug/L 95
12) 1,1-Dichloroethene	3.65	96	93514	5.170	ug/L 82
13) Acetone	3.71	43	95855	41.063	ug/L 97
14) Carbon disulfide	3.96	76	190751	4.634	ug/L 97
15) Methyl Acetate	4.20	43	21820	4.178	ug/L 95
16) Methylene chloride	4.41	84	91473m	5.162	ug/L
17) Methyl tert-butyl Ether	4.90	73	250412	4.247	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	221717	4.927	ug/L 95
19) 1,1-Dichloroethane	5.69	63	372800	4.829	ug/L 96
21) 2-Butanone	6.69	43	231594	42.592	ug/L 95
22) cis-1,2-Dichloroethene	6.68	96	218658	5.295	ug/L # 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.05	128	62601	4.708	ug/L	90
25) Chloroform	7.23	83	362959	4.895	ug/L	96
27) 1,2-Dichloroethane	8.00	62	152187m	4.578	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	252549	4.836	ug/L	100
30) Cyclohexane	7.52	56	299599	5.348	ug/L	97
31) Carbon tetrachloride	7.64	117	253263	5.482	ug/L	97
33) Benzene	7.91	78	907540	5.128	ug/L	100
34) Trichloroethene	8.71	95	219812	4.879	ug/L	95
35) Methylcyclohexane	8.96	83	331422	5.502	ug/L	96
37) 1,2-Dichloropropane	8.99	63	204130	4.962	ug/L	99
38) Bromodichloromethane	9.28	83	203611	4.856	ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	231438	5.003	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	554182	46.487	ug/L	96
42) Toluene	10.03	91	930830	5.409	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	163176	4.804	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	92256	4.577	ug/L	95
47) Tetrachloroethene	10.51	164	155781	5.295	ug/L	94
48) 2-Hexanone	10.64	43	369791	45.093	ug/L #	95
49) Dibromochloromethane	10.78	129	100412	4.778	ug/L	100
50) 1,2-Dibromoethane	10.89	107	75195	4.605	ug/L	98
51) Chlorobenzene	11.31	112	536887	5.124	ug/L	95
52) Ethylbenzene	11.39	91	1040617	5.639	ug/L	97
53) m,p-Xylene	11.50	106	391450	5.653	ug/L	88
54) o-Xylene	11.83	106	349226	5.855	ug/L	97
55) Styrene	11.85	104	560403	5.710	ug/L	89
56) Isopropylbenzene	12.13	105	950084	6.015	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	93546	4.712	ug/L #	96
59) 1,2,3-Trichloropropane	12.43	75	63292	4.429	ug/L	99
61) Bromoform	12.01	173	37400	4.538	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	308587	5.204	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	334194	5.077	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	267796	5.197	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	8778	3.851	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	206874	5.342	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	130612	4.907	ug/L	99
69) Naphthalene	15.00	128	160194	4.699	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	109412	5.329	ug/L	96

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

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