

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071818\
 Data File : VR025515.D
 Acq On : 18 Jul 2018 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 3:13:47 PM

Quant Time: Jul 19 06:45:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 05:17:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	614505	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	513621	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	65997	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	2.63	69	55569	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	3.64	63	214522	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	6.60	46	203353	38.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.30%
24) Chloroform-d	7.21	84	361095	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	7.90	65	134612	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	7.86	84	741782	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	205399	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	9.97	98	673055	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	10.24	79	53673	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	10.59	63	215952	50.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.16%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	106280	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	155446	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	192648	5.55 ug/L	98
3) Chloromethane	2.01	50	99868	4.85 ug/L	95
5) Vinyl chloride	2.16	62	94942	5.13 ug/L	93
6) Bromomethane	2.53	94	54812	5.04 ug/L	94
8) Chloroethane	2.67	64	55176	4.79 ug/L	100
9) Trichlorofluoromethane	2.97	101	172772m	5.72 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	101319	5.51 ug/L	97
12) 1,1-Dichloroethene	3.65	96	94346	5.14 ug/L	92
13) Acetone	3.71	43	85788	36.19 ug/L	96
14) Carbon disulfide	3.96	76	175837	4.21 ug/L	97
15) Methyl Acetate	4.20	43	21766	4.10 ug/L	99
16) Methylene chloride	4.41	84	82517	4.59 ug/L	88
17) Methyl tert-butyl Ether	4.90	73	277597	4.64 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	230814	5.05 ug/L	89
19) 1,1-Dichloroethane	5.70	63	379999	4.85 ug/L	97
21) 2-Butanone	6.70	43	243377	44.07 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	218996	5.22 ug/L #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	65055	4.82	ug/L	96
25) Chloroform	7.23	83	374808	4.98	ug/L	99
27) 1,2-Dichloroethane	8.00	62	160465	4.75	ug/L #	92
29) 1,1,1-Trichloroethane	7.44	97	258251	4.94	ug/L	99
30) Cyclohexane	7.52	56	330239	5.89	ug/L	95
31) Carbon tetrachloride	7.64	117	251420	5.44	ug/L	98
33) Benzene	7.91	78	917654	5.18	ug/L	100
34) Trichloroethene	8.71	95	216654	4.81	ug/L	95
35) Methylcyclohexane	8.96	83	366858	6.09	ug/L	95
37) 1,2-Dichloropropane	8.99	63	203832	4.95	ug/L	100
38) Bromodichloromethane	9.28	83	206942	4.93	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	234629	5.07	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	626625	52.54	ug/L	95
42) Toluene	10.03	91	935088	5.43	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	163438	4.81	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	100459	4.98	ug/L	96
47) Tetrachloroethene	10.52	164	150272	5.11	ug/L	98
48) 2-Hexanone	10.64	43	426575	52.00	ug/L #	95
49) Dibromochloromethane	10.78	129	108147	5.14	ug/L	95
50) 1,2-Dibromoethane	10.89	107	80888	4.95	ug/L #	96
51) Chlorobenzene	11.31	112	538587	5.14	ug/L	97
52) Ethylbenzene	11.39	91	1015667	5.50	ug/L	98
53) m,p-Xylene	11.50	106	378136	5.46	ug/L	90
54) o-Xylene	11.83	106	343264	5.75	ug/L	99
55) Styrene	11.85	104	570319	5.81	ug/L	90
56) Isopropylbenzene	12.13	105	931219	5.89	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	100113	5.04	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	71138	4.98	ug/L	98
61) Bromoform	12.01	173	38836	4.51	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	318157	5.13	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	345122	5.01	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	281181	5.22	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	10055	4.22	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	209836	5.18	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	140274	5.04	ug/L	99
69) Naphthalene	15.00	128	184169	5.17	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	118034	5.50	ug/L	98

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

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