

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110618\
 Data File : VR026195.D
 Acq On : 6 Nov 2018 17:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 10:01:05 AM

Quant Time: Nov 06 17:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 06 15:50:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	683203	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	561067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	212718	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	323036	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	2.63	69	269626	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	3.61	63	746803	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.80%
20) 2-Butanone-d5	6.59	46	265776	54.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.28%
24) Chloroform-d	7.20	84	478196	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	7.89	65	202070	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	7.85	84	959292	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	8.90	67	240512	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	9.97	98	920355	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	10.23	79	65029	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	10.59	63	204410	57.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91421	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	178671	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	214327	4.670 ug/L	97
3) Chloromethane	2.01	50	324651	4.455 ug/L	97
5) Vinyl chloride	2.17	62	319458	4.400 ug/L	94
6) Bromomethane	2.52	94	200641	4.185 ug/L	100
8) Chloroethane	2.66	64	206736	4.596 ug/L	96
9) Trichlorofluoromethane	2.94	101	467262m	4.458 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	285457	4.569 ug/L	98
12) 1,1-Dichloroethene	3.62	96	308938	4.650 ug/L	95
13) Acetone	3.69	43	247139	48.701 ug/L	98
14) Carbon disulfide	3.93	76	808699	4.656 ug/L	99
15) Methyl Acetate	4.20	43	61257	4.621 ug/L	95
16) Methylene chloride	4.40	84	262204	4.352 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	301877	5.005 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	234026	4.658 ug/L	97
19) 1,1-Dichloroethane	5.69	63	453651	4.809 ug/L	98
21) 2-Butanone	6.69	43	285054	48.692 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	228865	4.816 ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	62801	4.711	uq/L	84
25) Chloroform	7.23	83	439495	4.774	uq/L	93
27) 1,2-Dichloroethane	7.99	62	210822	4.678	uq/L	98
29) 1,1,1-Trichloroethane	7.43	97	401519	5.237	uq/L	100
30) Cyclohexane	7.52	56	397214	5.161	uq/L	99
31) Carbon tetrachloride	7.63	117	354354	5.083	uq/L	96
33) Benzene	7.91	78	1011961	4.807	uq/L	100
34) Trichloroethene	8.71	95	264569	4.910	uq/L	97
35) Methylcyclohexane	8.95	83	398274	4.965	uq/L	98
37) 1,2-Dichloropropane	9.00	63	211411	4.760	uq/L	100
38) Bromodichloromethane	9.28	83	241927	5.065	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	262694	5.167	uq/L	96
40) 4-Methyl-2-pentanone	9.87	43	709971	52.340	uq/L	99
42) Toluene	10.04	91	1086670	4.891	uq/L	97
44) trans-1,3-Dichloropropene	10.26	75	180475	5.081	uq/L	93
45) 1,1,2-Trichloroethane	10.45	97	90213	4.815	uq/L	96
47) Tetrachloroethene	10.51	164	175924	4.572	uq/L	95
48) 2-Hexanone	10.63	43	468587	52.891	uq/L	99
49) Dibromochloromethane	10.79	129	108310	5.137	uq/L	97
50) 1,2-Dibromoethane	10.89	107	76076	4.700	uq/L	91
51) Chlorobenzene	11.32	112	582798	4.738	uq/L	98
52) Ethylbenzene	11.39	91	1275488	4.992	uq/L	99
53) m,p-Xylene	11.50	106	457894	4.919	uq/L	93
54) o-Xylene	11.83	106	423857	4.966	uq/L	99
55) Styrene	11.84	104	648886	4.940	uq/L	97
56) Isopropylbenzene	12.13	105	1220053	5.147	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	87141	4.576	uq/L	98
59) 1,2,3-Trichloropropane	12.43	75	66314	4.743	uq/L	99
61) Bromoform	12.01	173	35382	4.785	uq/L	96
62) 1,3-Dichlorobenzene	13.16	146	361546	5.116	uq/L	97
63) 1,4-Dichlorobenzene	13.24	146	354221	4.840	uq/L	94
65) 1,2-Dichlorobenzene	13.53	146	281295	4.960	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	9362	4.051	uq/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	226308	5.256	uq/L	99
68) 1,2,4-trichlorobenzene	14.79	180	141114	5.615	uq/L	98
69) Naphthalene	15.00	128	189604	7.769	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	96476	5.527	uq/L	99

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

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