

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092518\
 Data File : VR025854.D
 Acq On : 25 Sep 2018 19:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Manual Integrations
 APPROVED

MMDadoda
 9/26/2018 11:12:49 AM

Quant Time: Sep 26 07:25:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 26 06:56:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	360229	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	303157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	103737	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	132174	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	2.63	69	115689	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.20%
11) 1,1-Dichloroethene-d2	3.63	63	339111	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.80%
20) 2-Butanone-d5	6.59	46	196656	57.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.38%
24) Chloroform-d	7.20	84	267234	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	7.90	65	117865	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	7.85	84	524568	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	8.90	67	152379	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	9.97	98	466724	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.24	79	33148	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	149795	52.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64257	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	87278	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	168785	4.499	ug/L	99
3) Chloromethane	2.01	50	216301	5.296	ug/L	98
5) Vinyl chloride	2.17	62	210774	5.448	ug/L	100
6) Bromomethane	2.52	94	128295	5.834	ug/L	99
8) Chloroethane	2.66	64	124756	5.675	ug/L	100
9) Trichlorofluoromethane	2.94	101	292497m	6.097	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	175544	6.006	ug/L	96
12) 1,1-Dichloroethene	3.64	96	177679	5.718	ug/L	85
13) Acetone	3.70	43	161847	71.327	ug/L	96
14) Carbon disulfide	3.94	76	425811	4.870	ug/L	98
15) Methyl Acetate	4.19	43	46340	6.366	ug/L	97
16) Methylene chloride	4.40	84	157680	5.644	ug/L	98
17) Methyl tert-butyl Ether	4.90	73	235158	4.327	ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	157781	4.488	ug/L	97
19) 1,1-Dichloroethane	5.69	63	334802	4.658	ug/L	98
21) 2-Butanone	6.69	43	251826	53.250	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	171256	4.836	ug/L #	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	41649	4.463	ug/L	95
25) Chloroform	7.23	83	308252	4.664	ug/L	97
27) 1,2-Dichloroethane	7.99	62	160492	4.698	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	253263	4.136	ug/L	97
30) Cyclohexane	7.52	56	323397	4.431	ug/L	96
31) Carbon tetrachloride	7.64	117	205192	4.073	ug/L	100
33) Benzene	7.91	78	743045	4.669	ug/L	100
34) Trichloroethene	8.71	95	245897	5.821	ug/L	98
35) Methylcyclohexane	8.95	83	302566	4.368	ug/L	99
37) 1,2-Dichloropropane	9.00	63	167151	4.711	ug/L	100
38) Bromodichloromethane	9.28	83	174185	4.446	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	188512	4.339	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	636187	51.498	ug/L	99
42) Toluene	10.04	91	761333	4.694	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	126928	4.216	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	71034	4.775	ug/L	95
47) Tetrachloroethene	10.51	164	103815	4.297	ug/L	94
48) 2-Hexanone	10.63	43	418761	51.544	ug/L	96
49) Dibromochloromethane	10.79	129	69307	4.472	ug/L	96
50) 1,2-Dibromoethane	10.89	107	58205	4.446	ug/L #	98
51) Chlorobenzene	11.32	112	388345	4.564	ug/L	99
52) Ethylbenzene	11.39	91	882120	4.727	ug/L	98
53) m,p-Xylene	11.50	106	307933	4.576	ug/L	98
54) o-Xylene	11.83	106	288868	4.688	ug/L	99
55) Styrene	11.84	104	458370	4.801	ug/L	99
56) Isopropylbenzene	12.13	105	795377	4.612	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	71655	4.909	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	54230	4.679	ug/L	98
61) Bromoform	12.01	173	19403	4.008	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	219175	4.566	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	214977	4.640	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	170930	4.677	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7952	4.759	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	123867	4.574	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	76043	4.414	ug/L	98
69) Naphthalene	15.00	128	119988	4.785	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	54209	4.429	ug/L	99

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

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