

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101918\
 Data File : VR026153.D
 Acq On : 19 Oct 2018 18:31
 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
 10/24/2018 12:17:07 PM

Quant Time: Oct 20 02:32:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 20 01:53:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	577709	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512487	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	201726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185469	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	2.63	69	179949	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	3.61	63	494885	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	6.59	46	234185	56.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	7.20	84	369825	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	7.90	65	157049	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	7.85	84	665889	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	8.90	67	192287	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	9.97	98	589979	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
43) trans-1,3-Dichloropropene-	10.23	79	46299	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	10.59	63	200035	62.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.24%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	90382	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	142000	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	179408	4.623	ug/L	94
3) Chloromethane	2.01	50	294279	4.776	ug/L	97
5) Vinyl chloride	2.17	62	302400	4.926	ug/L	96
6) Bromomethane	2.52	94	192496	4.748	ug/L	99
8) Chloroethane	2.66	64	191795	5.042	ug/L	99
9) Trichlorofluoromethane	2.93	101	459465m	5.185	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	260211	4.925	ug/L	100
12) 1,1-Dichloroethene	3.63	96	276024	4.913	ug/L	88
13) Acetone	3.70	43	201228	46.895	ug/L	99
14) Carbon disulfide	3.93	76	720321	4.904	ug/L	98
15) Methyl Acetate	4.19	43	57072	5.091	ug/L	100
16) Methylene chloride	4.40	84	245911	4.827	ug/L	95
17) Methyl tert-butyl Ether	4.89	73	256541	5.030	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	208510	4.908	ug/L	94
19) 1,1-Dichloroethane	5.69	63	385454	4.832	ug/L	98
21) 2-Butanone	6.69	43	254689	51.449	ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	200270	4.983	ug/L #	91

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

23) Bromochloromethane	7.05	128	55959	4.964	ug/L	92
25) Chloroform	7.23	83	390935	5.022	ug/L	98
27) 1,2-Dichloroethane	7.99	62	186154	4.885	ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	329058	4.699	ug/L	99
30) Cyclohexane	7.51	56	352503	5.015	ug/L	99
31) Carbon tetrachloride	7.63	117	293625	4.611	ug/L	96
33) Benzene	7.90	78	927075	4.821	ug/L	100
34) Trichloroethene	8.71	95	233614	4.746	ug/L	96
35) Methylcyclohexane	8.96	83	354347	4.836	ug/L	99
37) 1,2-Dichloropropane	8.99	63	192837	4.753	ug/L	99
38) Bromodichloromethane	9.28	83	214834	4.924	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	224467	4.834	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	652045	52.626	ug/L	99
42) Toluene	10.03	91	980643	4.832	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	155896	4.805	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	84719	4.951	ug/L	98
47) Tetrachloroethene	10.51	164	162481	4.623	ug/L	96
48) 2-Hexanone	10.63	43	434341	53.673	ug/L	98
49) Dibromochloromethane	10.79	129	98471	5.113	ug/L	100
50) 1,2-Dibromoethane	10.89	107	72503	4.904	ug/L	98
51) Chlorobenzene	11.32	112	542757	4.831	ug/L	98
52) Ethylbenzene	11.39	91	1163401	4.985	ug/L	99
53) m,p-Xylene	11.50	106	418929	4.927	ug/L	96
54) o-Xylene	11.83	106	396500	5.086	ug/L	99
55) Styrene	11.84	104	629630	5.247	ug/L	99
56) Isopropylbenzene	12.13	105	1129640	5.217	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	87590	5.036	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	65814	5.154	ug/L	100
61) Bromoform	12.01	173	34784	4.961	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	319183	4.763	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	334840	4.825	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	256795	4.774	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	8926	4.073	ug/L	93
67) 1,3,5-Trichlorobenzene	14.29	180	194383	4.760	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	117223	4.918	ug/L	96
69) Naphthalene	15.00	128	117840	5.092	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	86161	5.205	ug/L	98

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

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