

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110218\
 Data File : VR026170.D
 Acq On : 2 Nov 2018 20:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:14:23 AM

Quant Time: Nov 03 06:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 03 06:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	614437	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	235783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	204756	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	2.63	69	189715	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	3.64	63	528678	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	6.59	46	244025	55.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.54%
24) Chloroform-d	7.20	84	406080	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	7.90	65	175104	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	7.85	84	781442	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	216906	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	9.97	98	787842	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.24	79	58877	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	219537	61.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	102944	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	168466	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	181456m	4.397	ug/L
3) Chloromethane	2.02	50	273033	4.166	ug/L
5) Vinyl chloride	2.17	62	270533	4.143	ug/L
6) Bromomethane	2.52	94	176912	4.103	ug/L
8) Chloroethane	2.66	64	171073	4.228	ug/L
9) Trichlorofluoromethane	2.99	101	429076m	4.552	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	232925	4.145	ug/L
12) 1,1-Dichloroethene	3.66	96	239135	4.002	ug/L
13) Acetone	3.70	43	225416	49.392	ug/L
14) Carbon disulfide	3.96	76	597410	3.824	ug/L
15) Methyl Acetate	4.20	43	61991	5.200	ug/L
16) Methylene chloride	4.40	84	227198	4.193	ug/L
17) Methyl tert-butyl Ether	4.90	73	280306	5.167	ug/L
18) trans-1,2-Dichloroethene	4.88	96	202291	4.477	ug/L
19) 1,1-Dichloroethane	5.69	63	384119	4.528	ug/L
21) 2-Butanone	6.69	43	293270	55.702	ug/L
22) cis-1,2-Dichloroethene	6.68	96	202909	4.747	ug/L #

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	58961	4.918	ug/L	92
25) Chloroform	7.23	83	391285	4.726	ug/L	97
27) 1,2-Dichloroethane	8.00	62	197228	4.867	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	330183	4.276	ug/L	98
30) Cyclohexane	7.52	56	306362	3.953	ug/L	98
31) Carbon tetrachloride	7.63	117	290455	4.137	ug/L	96
33) Benzene	7.91	78	912319	4.303	ug/L	100
34) Trichloroethene	8.71	95	222619	4.102	ug/L	96
35) Methylcyclohexane	8.95	83	318684	3.944	ug/L	98
37) 1,2-Dichloropropane	9.00	63	206081	4.607	ug/L	100
38) Bromodichloromethane	9.28	83	230779	4.797	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	243310	4.752	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	759387	55.584	ug/L	100
42) Toluene	10.04	91	989078	4.420	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	182651	5.106	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	97989	5.193	ug/L	98
47) Tetrachloroethene	10.51	164	152271	3.929	ug/L	95
48) 2-Hexanone	10.63	43	514215	57.628	ug/L	99
49) Dibromochloromethane	10.79	129	110923	5.224	ug/L	94
50) 1,2-Dibromoethane	10.89	107	80353	4.929	ug/L	90
51) Chlorobenzene	11.32	112	562221	4.538	ug/L	99
52) Ethylbenzene	11.39	91	1145592	4.452	ug/L	99
53) m,p-Xylene	11.50	106	416325	4.440	ug/L	94
54) o-Xylene	11.83	106	390339	4.541	ug/L	99
55) Styrene	11.84	104	629798	4.760	ug/L	99
56) Isopropylbenzene	12.13	105	1060309	4.441	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	97959	5.108	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	71825	5.101	ug/L	100
61) Bromoform	12.01	173	41621	5.079	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	325172	4.151	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	359610	4.433	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	286984	4.565	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10186	3.977	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	198972	4.169	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	125995	4.523	ug/L	99
69) Naphthalene	15.00	128	133548	4.937	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	94375	4.878	ug/L	98

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

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