

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040519\
 Data File : VR026454.D
 Acq On : 5 Apr 2019 9:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Manual Integrations
 APPROVED

MMDadoda
 4/7/2019 12:56:51 PM

Quant Time: Apr 06 05:55:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 05 07:16:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	518950	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	435800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	164255	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	175041	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	2.62	69	150313	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	3.60	63	506479	4.97	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	6.58	46	164379	46.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.52%
24) Chloroform-d	7.20	84	356232	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	7.89	65	146632	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	7.85	84	656354	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	8.89	67	170459	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	9.96	98	622685	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.23	79	37294	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	139929	54.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66798	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	109517	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	216517	4.071	ug/L 99
3) Chloromethane	2.00	50	250593	4.467	ug/L 95
5) Vinyl chloride	2.15	62	256376	4.651	ug/L 96
6) Bromomethane	2.52	94	141800	4.399	ug/L 97
8) Chloroethane	2.66	64	143664	4.597	ug/L 99
9) Trichlorofluoromethane	2.93	101	386999m	5.071	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	189718	4.506	ug/L 97
12) 1,1-Dichloroethene	3.62	96	220614	4.794	ug/L 87
13) Acetone	3.69	43	153636	43.246	ug/L 100
14) Carbon disulfide	3.92	76	650400	4.869	ug/L 100
15) Methyl Acetate	4.18	43	40656	4.241	ug/L 99
16) Methylene chloride	4.40	84	178945	4.373	ug/L 92
17) Methyl tert-butyl Ether	4.88	73	206662	3.948	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	200695	4.622	ug/L 90
19) 1,1-Dichloroethane	5.68	63	370546	4.592	ug/L 97
21) 2-Butanone	6.68	43	218091	47.747	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	174711	4.837	ug/L 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	49413	4.391	ug/L	86
25) Chloroform	7.22	83	356205	4.614	ug/L	99
27) 1,2-Dichloroethane	7.99	62	178541	4.637	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	320806	4.460	ug/L	97
30) Cyclohexane	7.51	56	326140	4.880	ug/L	99
31) Carbon tetrachloride	7.63	117	311585	4.572	ug/L	98
33) Benzene	7.90	78	807293	4.740	ug/L	100
34) Trichloroethene	8.71	95	208176	4.563	ug/L	96
35) Methylcyclohexane	8.95	83	294851	4.532	ug/L	98
37) 1,2-Dichloropropane	8.99	63	171083	4.584	ug/L	98
38) Bromodichloromethane	9.28	83	197914	4.589	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	175800	4.339	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	557739	50.998	ug/L	99
42) Toluene	10.03	91	857179	4.911	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	122850	4.157	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	68872	4.562	ug/L	94
47) Tetrachloroethene	10.51	164	144402	4.448	ug/L	89
48) 2-Hexanone	10.63	43	376089	51.701	ug/L	97
49) Dibromochloromethane	10.78	129	91465	4.625	ug/L	91
50) 1,2-Dibromoethane	10.88	107	56154	4.324	ug/L #	98
51) Chlorobenzene	11.31	112	451780	4.613	ug/L	98
52) Ethylbenzene	11.39	91	1000331	4.975	ug/L	100
53) m,p-Xylene	11.50	106	355656	4.935	ug/L	98
54) o-Xylene	11.83	106	317527	5.015	ug/L	99
55) Styrene	11.84	104	500396	5.006	ug/L	94
56) Isopropylbenzene	12.13	105	887359	4.937	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	63304	4.318	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	50565	4.496	ug/L	99
61) Bromoform	12.01	173	32444	4.427	ug/L	90
62) 1,3-Dichlorobenzene	13.16	146	242539	4.607	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	262250	4.437	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	202509	4.637	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6997	4.168	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	146034	4.245	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	78398	4.101	ug/L	98
69) Naphthalene	15.00	128	73209	4.072	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	59303	4.476	ug/L	98

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

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