

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110918\
 Data File : VR026220.D
 Acq On : 9 Nov 2018 16:00
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 2:06:30 PM

Quant Time: Nov 12 05:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 09 14:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	632171	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	531336	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	203928	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	229520	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	2.63	69	206394	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	3.61	63	613496	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	6.58	46	201779	49.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.50%
24) Chloroform-d	7.20	84	388082	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	7.90	65	151401	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	7.85	84	765886	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	8.90	67	192110	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	9.97	98	713146	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	10.23	79	48217	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	10.59	63	152490	51.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79924	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	137545	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	208213	5.191	ug/L 90
3) Chloromethane	2.01	50	324186	4.713	ug/L 100
5) Vinyl chloride	2.17	62	326547	4.814	ug/L 97
6) Bromomethane	2.52	94	212156	4.700	ug/L 99
8) Chloroethane	2.66	64	194067	4.528	ug/L 99
9) Trichlorofluoromethane	2.93	101	492176m	5.399	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	270679	5.170	ug/L 98
12) 1,1-Dichloroethene	3.62	96	299256	4.843	ug/L 86
13) Acetone	3.69	43	206631	48.204	ug/L 99
14) Carbon disulfide	3.93	76	869332	5.169	ug/L 98
15) Methyl Acetate	4.19	43	48868	4.384	ug/L 95
16) Methylene chloride	4.40	84	241290	4.633	ug/L 98
17) Methyl tert-butyl Ether	4.90	73	234547	4.488	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	226697	4.756	ug/L 91
19) 1,1-Dichloroethane	5.69	63	411943	4.719	ug/L 98
21) 2-Butanone	6.69	43	230091	46.474	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	204298	4.846	ug/L 97

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

23) Bromochloromethane	7.05	128	56083	4.357	uq/L	93
25) Chloroform	7.23	83	387468	4.547	uq/L	97
27) 1,2-Dichloroethane	7.99	62	177514	4.487	uq/L #	96
29) 1,1,1-Trichloroethane	7.43	97	357273	5.023	uq/L	99
30) Cyclohexane	7.51	56	378373	6.072	uq/L	98
31) Carbon tetrachloride	7.63	117	329548	5.219	uq/L	99
33) Benzene	7.90	78	954784	4.979	uq/L	100
34) Trichloroethene	8.71	95	245575	5.026	uq/L	99
35) Methylcyclohexane	8.95	83	385960	6.075	uq/L	98
37) 1,2-Dichloropropane	9.00	63	187013	4.649	uq/L	99
38) Bromodichloromethane	9.28	83	214363	4.776	uq/L	97
39) cis-1,3-Dichloropropene	9.72	75	225446	4.958	uq/L	94
40) 4-Methyl-2-pentanone	9.86	43	554984	48.827	uq/L	99
42) Toluene	10.03	91	1031390	5.162	uq/L	99
44) trans-1,3-Dichloropropene	10.26	75	150688	4.968	uq/L	95
45) 1,1,2-Trichloroethane	10.45	97	79758	4.593	uq/L	98
47) Tetrachloroethene	10.51	164	173774	5.207	uq/L	97
48) 2-Hexanone	10.63	43	377533	49.254	uq/L	99
49) Dibromochloromethane	10.79	129	94796	4.610	uq/L	86
50) 1,2-Dibromoethane	10.89	107	68849	4.677	uq/L #	93
51) Chlorobenzene	11.32	112	541171	4.876	uq/L	98
52) Ethylbenzene	11.39	91	1221023	5.388	uq/L	99
53) m,p-Xylene	11.50	106	440764	5.358	uq/L	94
54) o-Xylene	11.83	106	402811	5.366	uq/L	97
55) Styrene	11.84	104	610149	5.229	uq/L	96
56) Isopropylbenzene	12.13	105	1168396	5.763	uq/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	74332	4.432	uq/L #	93
59) 1,2,3-Trichloropropane	12.43	75	58197	4.608	uq/L	97
61) Bromoform	12.01	173	32971	4.090	uq/L	97
62) 1,3-Dichlorobenzene	13.16	146	316036	5.120	uq/L	98
63) 1,4-Dichlorobenzene	13.24	146	324854	4.786	uq/L	97
65) 1,2-Dichlorobenzene	13.53	146	249817	4.824	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8240	4.289	uq/L #	38
67) 1,3,5-Trichlorobenzene	14.29	180	195176	5.077	uq/L	98
68) 1,2,4-trichlorobenzene	14.79	180	107317	5.001	uq/L	100
69) Naphthalene	15.00	128	105259	4.649	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	75871	5.051	uq/L	99

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

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