

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112118\
 Data File : VR026256.D
 Acq On : 21 Nov 2018 12:10
 Operator : SY/MD
 Sample : VSTD00197
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00197

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:21:22 AM

Quant Time: Nov 21 13:55:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 13:44:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	524201	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	430803	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	49504	1.24	ug/L	0.00
7) Chloroethane-d5	2.63	69	42397	1.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	117513	1.16	ug/L	-0.01
20) 2-Butanone-d5	6.60	46	30877	8.34	ug/L	0.01
24) Chloroform-d	7.20	84	79592	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	31514	1.03	ug/L	0.00
32) Benzene-d6	7.85	84	149525	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	37456	1.00	ug/L	0.00
41) Toluene-d8	9.97	98	134875	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10608	1.03	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	19069	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15915	1.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	26280	0.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	19.80%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	34907	0.95	ug/L	# 79
3) Chloromethane	2.01	50	50783	1.08	ug/L	94
5) Vinyl chloride	2.17	62	47092	1.02	ug/L	91
6) Bromomethane	2.53	94	34760	1.12	ug/L	98
8) Chloroethane	2.66	64	31506	1.09	ug/L	99
9) Trichlorofluoromethane	2.94	101	78787m	1.12	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	43887	1.09	ug/L	98
12) 1,1-Dichloroethene	3.63	96	46820	1.06	ug/L	93
13) Acetone	3.71	43	35710	12.83	ug/L	99
14) Carbon disulfide	3.94	76	112086	1.02	ug/L	100
15) Methyl Acetate	4.20	43	9311	1.15	ug/L	98
16) Methylene chloride	4.40	84	45185	1.15	ug/L	82
17) Methyl tert-butyl Ether	4.89	73	42705	0.94	ug/L	# 85
18) trans-1,2-Dichloroethene	4.90	96	35243	0.87	ug/L	91
19) 1,1-Dichloroethane	5.69	63	69148	0.95	ug/L	92
21) 2-Butanone	6.70	43	37768	9.64	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	30065	0.83	ug/L	# 95
23) Bromochloromethane	7.04	128	10880	0.99	ug/L	84
25) Chloroform	7.23	83	82190	1.04	ug/L	99
27) 1,2-Dichloroethane	7.99	62	32368m	1.01	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	59992	0.98	ug/L	99
30) Cyclohexane	7.53	56	42449	0.78	ug/L	97
31) Carbon tetrachloride	7.64	117	54601	0.99	ug/L	99
33) Benzene	7.91	78	151139	0.96	ug/L	100
34) Trichloroethene	8.71	95	39019	0.94	ug/L	93
35) Methylcyclohexane	8.96	83	48367	0.87	ug/L	98
37) 1,2-Dichloropropane	9.00	63	34194	1.05	ug/L	# 97
38) Bromodichloromethane	9.28	83	40802	1.07	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	30394	0.81	ug/L	91

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

40) 4-Methyl-2-pentanone	9.87	43	85870	9.48	ug/L #	95
42) Toluene	10.04	91	163195	0.87	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	21605	0.85	ug/L	89
45) 1,1,2-Trichloroethane	10.45	97	15011	1.07	ug/L	97
47) Tetrachloroethene	10.51	164	26009	0.85	ug/L	97
48) 2-Hexanone	10.63	43	57525	9.46	ug/L	94
49) Dibromochloromethane	10.79	129	16652	0.98	ug/L	94
50) 1,2-Dibromoethane	10.89	107	12635	1.03	ug/L #	84
51) Chlorobenzene	11.32	112	91895	1.00	ug/L	100
52) Ethylbenzene	11.39	91	170184	0.90	ug/L	98
53) m,p-Xylene	11.50	106	61509	0.89	ug/L	95
54) o-Xylene	11.83	106	49549	0.78	ug/L	93
55) Styrene	11.84	104	83333	0.86	ug/L	100
56) Isopropylbenzene	12.13	105	143701	0.82	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	13750	1.01	ug/L #	99
59) 1,2,3-Trichloropropane	12.44	75	9504	0.93	ug/L	91
61) Bromoform	12.01	173	6039	1.02	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	44407	0.90	ug/L	90
63) 1,4-Dichlorobenzene	13.24	146	55522	1.05	ug/L	88
65) 1,2-Dichlorobenzene	13.53	146	39499	0.98	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.15	75	1602	1.19	ug/L #	60
67) 1,3,5-Trichlorobenzene	14.30	180	29158	0.91	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	13458	0.75	ug/L	88
69) Naphthalene	15.01	128	11175	0.64	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	11203	0.87	ug/L	98

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

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