

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091219\
 Data File : VR026625.D
 Acq On : 12 Sep 2019 18:04
 Operator : SY/MD
 Sample : VSTD00164
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00164

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:38:35 AM

Quant Time: Sep 13 05:07:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 13 04:55:35 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	337421	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.31	117	267865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	127714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	9136m	0.91	ug/L	0.02
7) Chloroethane-d5	2.65	69	9098	1.05	ug/L	0.02
11) 1,1-Dichloroethene-d2	3.65	63	25791	1.05	ug/L	0.00
20) 2-Butanone-d5	6.62	46	16410	7.39	ug/L	0.00
24) Chloroform-d	7.22	84	35729	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	11830	1.02	ug/L	0.00
32) Benzene-d6	7.88	84	61648	0.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	17376	0.86	ug/L	0.00
41) Toluene-d8	9.99	98	45864	0.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	3797	0.79	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	8526	5.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	9485	0.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.54	152	14392	0.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	39976	1.177 ug/L	92
3) Chloromethane	2.06	50	19576	0.970 ug/L	93
5) Vinyl chloride	2.20	62	20025	1.047 ug/L	93
6) Bromomethane	2.54	94	13274	1.209 ug/L	92
8) Chloroethane	2.67	64	11573	1.071 ug/L	88
9) Trichlorofluoromethane	2.99	101	35176	1.187 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	15759	1.225 ug/L	99
12) 1,1-Dichloroethene	3.66	96	15076	1.133 ug/L	87
13) Acetone	3.72	43	16484	11.811 ug/L	96
14) Carbon disulfide	3.99	76	43018	0.841 ug/L #	92
15) Methyl Acetate	4.23	43	7051	1.144 ug/L #	75
16) Methylene chloride	4.43	84	32071	1.148 ug/L	87
17) Methyl tert-butyl Ether	4.93	73	30643	0.921 ug/L #	80
18) trans-1,2-Dichloroethene	4.92	96	30805	1.072 ug/L	91
19) 1,1-Dichloroethane	5.72	63	58773	1.073 ug/L	91
21) 2-Butanone	6.72	43	24959	8.712 ug/L	98
22) cis-1,2-Dichloroethene	6.70	96	28837	1.017 ug/L	99
23) Bromochloromethane	7.08	128	8302	1.086 ug/L #	60
25) Chloroform	7.26	83	58674	1.168 ug/L	88
27) 1,2-Dichloroethane	8.02	62	20103	1.098 ug/L	95
29) 1,1,1-Trichloroethane	7.45	97	39979	0.973 ug/L	94
30) Cyclohexane	7.54	56	38426	0.804 ug/L	91
31) Carbon tetrachloride	7.66	117	34102	1.001 ug/L	94
33) Benzene	7.93	78	115692	0.972 ug/L	100
34) Trichloroethene	8.73	95	28736	0.975 ug/L	93
35) Methylcyclohexane	8.98	83	38606	0.868 ug/L	99
37) 1,2-Dichloropropane	9.02	63	23039	0.970 ug/L #	95
38) Bromodichloromethane	9.30	83	23956	0.975 ug/L	90
39) cis-1,3-Dichloropropene	9.73	75	19107	0.741 ug/L	94
40) 4-Methyl-2-pentanone	9.89	43	50736	7.606 ug/L	98

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

42) Toluene	10.06	91	93748	0.880	ug/L	95
44) trans-1,3-Dichloropropene	10.28	75	12883	0.806	ug/L	86
45) 1,1,2-Trichloroethane	10.46	97	9766	0.981	ug/L	88
47) Tetrachloroethene	10.54	164	16571	0.998	ug/L	77
48) 2-Hexanone	10.65	43	33329	8.262	ug/L	94
49) Dibromochloromethane	10.80	129	9695	0.926	ug/L	93
50) 1,2-Dibromoethane	10.91	107	8002	0.957	ug/L #	95
51) Chlorobenzene	11.33	112	59245	1.028	ug/L	96
52) Ethylbenzene	11.41	91	107004	0.913	ug/L	94
53) m,p-Xylene	11.52	106	36550	0.853	ug/L	96
54) o-Xylene	11.84	106	36646	0.876	ug/L	95
55) Styrene	11.86	104	55088	0.948	ug/L	96
56) Isopropylbenzene	12.15	105	104055	0.895	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.40	83	12025	1.063	ug/L #	86
59) 1,2,3-Trichloropropane	12.45	75	8273	0.999	ug/L	95
61) Bromoform	12.02	173	4872	1.046	ug/L #	88
62) 1,3-Dichlorobenzene	13.18	146	41632	0.957	ug/L	95
63) 1,4-Dichlorobenzene	13.26	146	44160	1.056	ug/L	93
65) 1,2-Dichlorobenzene	13.55	146	35932	0.996	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.17	75	1799m	0.987	ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	32732	0.935	ug/L	98
68) 1,2,4-trichlorobenzene	14.80	180	22695	0.888	ug/L	97
69) Naphthalene	15.02	128	29029	0.820	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	22568	1.056	ug/L	97

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

