

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032119\
 Data File : VV009790.D
 Acq On : 21 Mar 2019 11:58
 Operator : SY/MD
 Sample : VSTD0.531
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:05:52 PM

Quant Time: Mar 21 14:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 21 13:22:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	140922	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132423	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61572	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8725	0.91	ug/L	0.00
7) Chloroethane-d5	1.58	69	7784	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19277	0.82	ug/L	0.00
20) 2-Butanone-d5	4.00	46	9470m	5.64	ug/L	0.01
24) Chloroform-d	4.40	84	8593	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	3662	0.44	ug/L	0.00
32) Benzene-d6	5.10	84	17569	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	5024	0.52	ug/L	0.00
41) Toluene-d8	7.36	98	16658	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1721	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	6369	4.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3847	0.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5790	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6644	0.754 ug/L	99
3) Chloromethane	1.25	50	9711	0.990 ug/L	98
5) Vinyl chloride	1.32	62	9982	0.921 ug/L	88
6) Bromomethane	1.54	94	6031	0.865 ug/L	99
8) Chloroethane	1.60	64	7505	1.029 ug/L #	70
9) Trichlorofluoromethane	1.77	101	20281	0.863 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11410	0.964 ug/L	94
12) 1,1-Dichloroethene	2.14	96	9741	0.949 ug/L	96
13) Acetone	2.23	43	13520m	9.197 ug/L	
14) Carbon disulfide	2.32	76	25441	0.761 ug/L	99
15) Methyl Acetate	2.47	43	3408	0.848 ug/L	99
16) Methylene chloride	2.54	84	13754	1.150 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	21258	0.821 ug/L #	89
18) trans-1,2-Dichloroethene	2.79	96	10323	0.919 ug/L	95
19) 1,1-Dichloroethane	3.23	63	17656	1.094 ug/L	98
21) 2-Butanone	4.08	43	8299m	4.553 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	5221	0.522 ug/L	71
23) Bromochloromethane	4.30	128	2009	0.509 ug/L	89
25) Chloroform	4.43	83	8119	0.476 ug/L	77
27) 1,2-Dichloroethane	5.19	62	4901	0.476 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	7285	0.474 ug/L	96
30) Cyclohexane	4.72	56	7854	0.536 ug/L	96
31) Carbon tetrachloride	4.87	117	6033	0.482 ug/L	95
33) Benzene	5.15	78	19325	0.538 ug/L	100
34) Trichloroethene	5.96	95	5144	0.506 ug/L	84
35) Methylcyclohexane	6.17	83	8090	0.499 ug/L	96
37) 1,2-Dichloropropane	6.23	63	5363	0.613 ug/L #	95
38) Bromodichloromethane	6.56	83	5363	0.437 ug/L #	93
39) cis-1,3-Dichloropropene	7.08	75	5586	0.407 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	26269	5.523 ug/L #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	20811	0.506	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	4423	0.407	ug/L	93
45) 1,1,2-Trichloroethane	7.89	97	3052	0.493	ug/L	94
47) Tetrachloroethene	8.02	164	4247	0.543	ug/L	92
48) 2-Hexanone	8.20	43	16405	4.995	ug/L	96
49) Dibromochloromethane	8.29	129	3633	0.454	ug/L	89
50) 1,2-Dibromoethane	8.40	107	2929	0.486	ug/L #	88
51) Chlorobenzene	8.93	112	14083	0.519	ug/L	94
52) Ethylbenzene	9.05	91	21799	0.462	ug/L	96
53) m,p-xylene	9.18	106	8031	0.447	ug/L	99
54) o-xylene	9.59	106	7964	0.450	ug/L	88
55) Styrene	9.61	104	11140	0.389	ug/L	93
56) Isopropylbenzene	9.97	105	20416	0.425	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3623	0.475	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2580	0.481	ug/L	93
61) Bromoform	9.78	173	1477	0.387	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	10283	0.519	ug/L	89
63) 1,4-Dichlorobenzene	11.32	146	9988	0.501	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	9843	0.534	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.49	75	418	0.354	ug/L #	60
67) 1,3,5-Trichlorobenzene	12.69	180	7118	0.486	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	4801	0.417	ug/L	87
69) Naphthalene	13.56	128	6791	0.353	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.80	180	4630	0.445	ug/L	91

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

