

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042419\
 Data File : VV010452.D
 Acq On : 24 Apr 2019 10:34
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 9:48:06 AM

Quant Time: Apr 25 01:45:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 25 01:34:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	256653	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	249124	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7269	0.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	4990	0.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12842	0.35	ug/L	0.00
20) 2-Butanone-d5	3.99	46	12651m	3.71	ug/L	0.01
24) Chloroform-d	4.40	84	13659	0.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6901	0.44	ug/L	0.00
32) Benzene-d6	5.10	84	26649	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7849	0.43	ug/L	0.00
41) Toluene-d8	7.36	98	24351	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2862	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9768	3.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5862	0.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11049	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9253	0.384 ug/L	97
3) Chloromethane	1.25	50	8279	0.410 ug/L	98
5) Vinyl chloride	1.32	62	7830	0.356 ug/L #	75
6) Bromomethane	1.54	94	5865	0.374 ug/L	98
8) Chloroethane	1.60	64	4458	0.304 ug/L	90
9) Trichlorofluoromethane	1.77	101	14583	0.334 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7516	0.325 ug/L	97
12) 1,1-Dichloroethene	2.14	96	7363	0.379 ug/L	91
13) Acetone	2.23	43	9173m	3.449 ug/L	
14) Carbon disulfide	2.32	76	20345	0.393 ug/L	99
15) Methyl Acetate	2.47	43	3022	0.485 ug/L	90
16) Methylene chloride	2.54	84	10168	0.470 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	17936	0.385 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	8211	0.382 ug/L	92
19) 1,1-Dichloroethane	3.22	63	12750	0.346 ug/L	95
21) 2-Butanone	4.07	43	14672m	4.215 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	8534	0.461 ug/L	91
23) Bromochloromethane	4.30	128	3755	0.453 ug/L	91
25) Chloroform	4.43	83	14507	0.419 ug/L	95
27) 1,2-Dichloroethane	5.19	62	9184	0.477 ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	13130	0.448 ug/L	98
30) Cyclohexane	4.71	56	10377	0.421 ug/L	93
31) Carbon tetrachloride	4.87	117	10771	0.391 ug/L	89
33) Benzene	5.14	78	28615	0.423 ug/L	100
34) Trichloroethene	5.96	95	8475	0.430 ug/L	94
35) Methylcyclohexane	6.17	83	10768	0.369 ug/L	97
37) 1,2-Dichloropropane	6.22	63	7293	0.466 ug/L	98
38) Bromodichloromethane	6.56	83	8639	0.412 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	9509	0.433 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	41303	4.816 ug/L	97

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

42) Toluene	7.43	91	32051	0.425	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	7308	0.429	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	5421	0.438	ug/L	93
47) Tetrachloroethene	8.02	164	7779	0.453	ug/L	87
48) 2-Hexanone	8.20	43	25654	4.447	ug/L	97
49) Dibromochloromethane	8.29	129	6429	0.432	ug/L	87
50) 1,2-Dibromoethane	8.40	107	4998	0.444	ug/L #	96
51) Chlorobenzene	8.92	112	23286	0.456	ug/L	99
52) Ethylbenzene	9.06	91	33468	0.410	ug/L	96
53) m,p-xylene	9.18	106	12076	0.379	ug/L	88
54) o-xylene	9.59	106	12316	0.400	ug/L	94
55) Styrene	9.60	104	19834	0.399	ug/L	96
56) Isopropylbenzene	9.97	105	31649	0.386	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	5617	0.417	ug/L #	85
59) 1,2,3-Trichloropropane	10.32	75	4303	0.447	ug/L	97
61) Bromoform	9.78	173	3033	0.394	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	17651	0.441	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	17177	0.426	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	16161	0.430	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1181	0.661	ug/L #	56
67) 1,3,5-Trichlorobenzene	12.69	180	13197	0.425	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	9547	0.429	ug/L	97
69) Naphthalene	13.56	128	15952	0.591	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	9915	0.490	ug/L	96

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

