

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111219\
 Data File : VV013595.D
 Acq On : 12 Nov 2019 18:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 1:43:01 PM

Quant Time: Nov 13 06:16:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 13 04:27:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	399618	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	394578	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70539	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	76340	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	149516	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	3.96	46	244587	40.51	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.02%
24) Chloroform-d	4.40	84	236623	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	115182	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.09	84	377399	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.11	67	134500	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	325939	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.66	79	49249	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	283652	68.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.62%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	125428	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	171639	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	189112	4.837	ug/L 99
3) Chloromethane	1.25	50	176036	5.037	ug/L 100
5) Vinyl chloride	1.32	62	164841	4.900	ug/L 100
6) Bromomethane	1.53	94	93260	5.265	ug/L 98
8) Chloroethane	1.60	64	96040	5.171	ug/L 97
9) Trichlorofluoromethane	1.77	101	228264	5.041	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	126833	4.998	ug/L 97
12) 1,1-Dichloroethene	2.14	96	118631	4.936	ug/L 93
13) Acetone	2.23	43	140923m	38.473	ug/L
14) Carbon disulfide	2.31	76	387147	5.360	ug/L 99
15) Methyl Acetate	2.47	43	32247	2.944	ug/L 99
16) Methylene chloride	2.53	84	145604	4.625	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	289557	4.560	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	142753	4.787	ug/L 96
19) 1,1-Dichloroethane	3.23	63	267540	4.808	ug/L 97
21) 2-Butanone	4.05	43	244412	36.479	ug/L 91
22) cis-1,2-Dichloroethene	3.96	96	143851	4.677	ug/L # 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	67552	4.744	ug/L	95
25) Chloroform	4.42	83	295702	4.873	ug/L	98
27) 1,2-Dichloroethane	5.18	62	158374	4.834	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	233650	4.776	ug/L	98
30) Cyclohexane	4.72	56	232145	4.715	ug/L	97
31) Carbon tetrachloride	4.87	117	213069	4.856	ug/L	100
33) Benzene	5.14	78	593823	4.843	ug/L	100
34) Trichloroethene	5.96	95	152969	4.627	ug/L	97
35) Methylcyclohexane	6.17	83	229087	4.559	ug/L	98
37) 1,2-Dichloropropane	6.22	63	144735	4.800	ug/L	99
38) Bromodichloromethane	6.55	83	187570	4.819	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	193877	4.628	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	858177	49.478	ug/L	98
42) Toluene	7.43	91	638488	5.007	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	160541	4.874	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	97845	4.722	ug/L	99
47) Tetrachloroethene	8.01	164	142684	4.937	ug/L	98
48) 2-Hexanone	8.18	43	647147	52.697	ug/L	99
49) Dibromochloromethane	8.29	129	131497	5.087	ug/L	97
50) 1,2-Dibromoethane	8.39	107	93315	4.822	ug/L	98
51) Chlorobenzene	8.92	112	406512	4.833	ug/L	99
52) Ethylbenzene	9.05	91	670993	4.912	ug/L	100
53) m,p-xylene	9.18	106	263797	5.177	ug/L	99
54) o-xylene	9.58	106	247160	5.050	ug/L	99
55) Styrene	9.60	104	439390	5.294	ug/L	99
56) Isopropylbenzene	9.97	105	666027	5.041	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	119616	5.407	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	85813	4.794	ug/L	100
61) Bromoform	9.77	173	76652	4.974	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	343652	4.711	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	345432	4.741	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	312107	4.677	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	18708	5.505	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	274389	4.822	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	218695	4.823	ug/L	99
69) Naphthalene	13.55	128	285189	4.657	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	210525	4.946	ug/L	99

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

