

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015172.D
 Acq On : 26 Mar 2020 17:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Manual Integrations
 APPROVED

apatel
 3/27/2020 4:17:39 PM

Quant Time: Mar 27 03:11:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 19:04:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	706236	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	696064	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	336380	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	171606	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.58	69	170663	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.12	63	402095	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
21) 2-Butanone-d5	3.94	46	366025	97.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.02%
24) Chloroform-d	4.38	84	386830	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.06	65	253597	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.07	84	657733	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
36) 1,2-Dichloropropane-d6	6.09	67	238044	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.18%
41) Toluene-d8	7.34	98	599355	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.64	79	130945	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
47) 2-Hexanone-d5	8.11	63	279613	92.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	404671	46.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	289793	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	295204	47.372	ug/L	100
3) Chloromethane	1.25	50	309916	45.796	ug/L	100
5) Vinyl chloride	1.32	62	318660	45.969	ug/L	99
6) Bromomethane	1.53	94	206237	46.100	ug/L	99
8) Chloroethane	1.60	64	200684	44.276	ug/L	97
9) Trichlorofluoromethane	1.76	101	519813	45.443	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	282654	48.858	ug/L	99
12) 1,1-Dichloroethene	2.13	96	268705	47.175	ug/L	95
13) Acetone	2.23	43	282343m	108.205	ug/L	
14) Carbon disulfide	2.31	76	666148	45.606	ug/L	99
15) Methyl Acetate	2.46	43	239059	44.254	ug/L	98
16) Methylene chloride	2.52	84	240941	45.316	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	225707	45.596	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	760538	45.586	ug/L	100
19) 1,1-Dichloroethane	3.21	63	415040	45.391	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	250887	45.499	ug/L #	96
22) 2-Butanone	4.02	43	376944	91.824	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	121564	45.569	uq/L	96
25) Chloroform	4.40	83	431702	45.829	uq/L	98
27) 1,2-Dichloroethane	5.16	62	335466	44.920	uq/L	100
29) Cyclohexane	4.70	56	395110	46.379	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	399964	45.375	uq/L	99
31) Carbon tetrachloride	4.85	117	344344	46.475	uq/L	100
33) Benzene	5.13	78	947690	45.732	uq/L	100
34) Trichloroethene	5.94	95	254293	47.106	uq/L	98
35) Methylcyclohexane	6.15	83	431817	48.135	uq/L	99
37) 1,2-Dichloropropane	6.20	63	239603	45.222	uq/L	100
38) Bromodichloromethane	6.53	83	341747	45.513	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	413871	46.733	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	729993	91.363	uq/L	99
42) Toluene	7.41	91	1074986	46.498	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	396679	45.877	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	239614	46.199	uq/L	100
46) Tetrachloroethene	8.00	164	176307	48.599	uq/L	97
48) 2-Hexanone	8.16	43	588936	93.342	uq/L	99
49) Dibromochloromethane	8.27	129	267489	46.808	uq/L	99
50) 1,2-Dibromoethane	8.37	107	259241	45.919	uq/L	97
51) Chlorobenzene	8.90	112	688102	46.597	uq/L	98
52) Ethylbenzene	9.03	91	1225157	47.036	uq/L	99
53) m,p-Xylene	9.16	106	478054	48.107	uq/L	99
54) o-xylene	9.57	106	473144	47.404	uq/L	99
55) Styrene	9.58	104	803723	47.594	uq/L	99
56) Isopropylbenzene	9.95	105	1235800	48.226	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	399771	45.727	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	326370	46.369	uq/L	99
61) Bromoform	9.75	173	175337	45.243	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	528767	46.883	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	531175	46.622	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	521055	45.567	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	112086	44.119	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	348142	48.240	uq/L	100
68) 1,2,4-trichlorobenzene	13.29	180	325648	47.307	uq/L	100
69) Naphthalene	13.53	128	1274171	46.222	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	329578	47.815	uq/L	99

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

