

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015163.D
 Acq On : 26 Mar 2020 02:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Manual Integrations
 APPROVED

apatel

3/26/2020 2:13:29 PM

Quant Time: Mar 26 06:08:04 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 26 02:00:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	664560	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	651713	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	307766	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	246001	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.54%
7) Chloroethane-d5	1.58	69	226766	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.10%
11) 1,1-Dichloroethene-d2	2.12	63	516679	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.40%
21) 2-Butanone-d5	3.94	46	374905	102.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	4.38	84	436105	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
26) 1,2-Dichloroethane-d4	5.06	65	288988	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
32) Benzene-d6	5.08	84	855572	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.09	67	272548	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.40%
41) Toluene-d8	7.34	98	822162	45.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.56%
43) trans-1,3-Dichloropropene-	7.64	79	146935	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
47) 2-Hexanone-d5	8.11	63	288145	96.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	414809	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	306794	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	240699	46.782	ug/L 99
3) Chloromethane	1.25	50	281673	51.396	ug/L 100
5) Vinyl chloride	1.32	62	288332	51.619	ug/L 100
6) Bromomethane	1.53	94	178883	50.371	ug/L 99
8) Chloroethane	1.60	64	189523	46.755	ug/L 97
9) Trichlorofluoromethane	1.77	101	454096	51.720	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	226509	48.785	ug/L 98
12) 1,1-Dichloroethene	2.13	96	234008	52.345	ug/L 96
13) Acetone	2.22	43	198672m	103.781	ug/L
14) Carbon disulfide	2.31	76	575422	48.483	ug/L 98
15) Methyl Acetate	2.46	43	231172	53.715	ug/L 98
16) Methylene chloride	2.52	84	226072	52.423	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	202231	51.101	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	712429	53.631	ug/L 99
19) 1,1-Dichloroethane	3.21	63	385439	53.436	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	229379	52.459	ug/L 100
22) 2-Butanone	4.02	43	325482	104.325	ug/L 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015163.D
 Acq On : 26 Mar 2020 02:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Manual Integrations
 APPROVED

apatel

3/26/2020 2:13:29 PM

Quant Time: Mar 26 06:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 02:00:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	112859	51.462	uq/L	97
25) Chloroform	4.41	83	398251	52.795	uq/L	99
27) 1,2-Dichloroethane	5.16	62	319578	54.679	uq/L	100
29) Cyclohexane	4.70	56	335612	48.907	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	366967	51.919	uq/L	98
31) Carbon tetrachloride	4.86	117	309248	50.669	uq/L	99
33) Benzene	5.13	78	876216	52.245	uq/L	100
34) Trichloroethene	5.94	95	218973	49.278	uq/L	96
35) Methylcyclohexane	6.15	83	344221	46.105	uq/L	99
37) 1,2-Dichloropropane	6.20	63	224324	52.957	uq/L	99
38) Bromodichloromethane	6.53	83	316477	52.214	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	372191	50.957	uq/L	98
40) 4-Methyl-2-pentanone	7.25	43	694117	108.183	uq/L	99
42) Toluene	7.41	91	978579	52.497	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	364224	51.374	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	222094	53.261	uq/L	99
46) Tetrachloroethene	8.00	164	151383	47.741	uq/L	96
48) 2-Hexanone	8.16	43	540511	110.520	uq/L	99
49) Dibromochloromethane	8.27	129	246964	51.992	uq/L	99
50) 1,2-Dibromoethane	8.37	107	241046	52.547	uq/L	100
51) Chlorobenzene	8.90	112	639367	52.881	uq/L	99
52) Ethylbenzene	9.03	91	1104698	52.836	uq/L	99
53) m,p-Xylene	9.16	106	417907	50.834	uq/L	99
54) o-xylene	9.57	106	421307	52.499	uq/L	97
55) Styrene	9.58	104	724285	52.902	uq/L	99
56) Isopropylbenzene	9.95	105	1093930	52.321	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	374591	53.360	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	309549	54.854	uq/L	100
61) Bromoform	9.75	173	160401	50.078	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	460178	51.051	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	468822	51.051	uq/L	100
65) 1,2-Dichlorobenzene	11.67	146	468138	51.475	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	102156	51.722	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	288083	47.425	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	275751	48.214	uq/L	98
69) Naphthalene	13.53	128	1138189	52.020	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	283217	49.830	uq/L	100

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

