

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015142.D
 Acq On : 25 Mar 2020 17:41
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Manual Integrations
 APPROVED

apatel
 3/26/2020 2:13:13 PM

Quant Time: Mar 26 01:51:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 19:57:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	748107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	726616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	349953	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260520	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.58	69	244503	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.30%
11) 1,1-Dichloroethene-d2	2.12	63	547590	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
21) 2-Butanone-d5	3.93	46	348537	84.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.91%
24) Chloroform-d	4.37	84	456095	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	5.06	65	290296	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
32) Benzene-d6	5.07	84	889327	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
36) 1,2-Dichloropropane-d6	6.09	67	280966	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.52%
41) Toluene-d8	7.33	98	863428	43.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.24%
43) trans-1,3-Dichloropropene-	7.64	79	156956	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
47) 2-Hexanone-d5	8.11	63	277980	83.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	413524	42.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	327509	41.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	286383	49.445	ug/L	99
3) Chloromethane	1.25	50	300981	48.786	ug/L	99
5) Vinyl chloride	1.32	62	314511	50.018	ug/L	99
6) Bromomethane	1.53	94	197433	49.386	ug/L	96
8) Chloroethane	1.60	64	203520	44.601	ug/L	99
9) Trichlorofluoromethane	1.77	101	505299	51.125	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	268785	51.425	ug/L	99
12) 1,1-Dichloroethene	2.13	96	248711	49.420	ug/L	93
13) Acetone	2.22	43	266525m	123.678	ug/L	
14) Carbon disulfide	2.31	76	623014	46.631	ug/L	99
15) Methyl Acetate	2.46	43	226249	46.700	ug/L	99
16) Methylene chloride	2.52	84	238805	49.192	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	215358	48.341	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	748235	50.036	ug/L	99
19) 1,1-Dichloroethane	3.21	63	405320	49.917	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	242197	49.204	ug/L	98
22) 2-Butanone	4.01	43	348459	99.216	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	117815	47.722	uq/L	96
25) Chloroform	4.40	83	422681	49.776	uq/L	98
27) 1,2-Dichloroethane	5.15	62	332047	50.468	uq/L	99
29) Cyclohexane	4.70	56	388468	50.774	uq/L	97
30) 1,1,1-Trichloroethane	4.63	97	389673	49.448	uq/L	99
31) Carbon tetrachloride	4.85	117	339826	49.939	uq/L	99
33) Benzene	5.12	78	920636	49.235	uq/L	100
34) Trichloroethene	5.94	95	248637	50.186	uq/L	94
35) Methylcyclohexane	6.15	83	418926	50.327	uq/L	99
37) 1,2-Dichloropropane	6.20	63	235556	49.876	uq/L	100
38) Bromodichloromethane	6.53	83	335604	49.662	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	409346	50.267	uq/L	97
40) 4-Methyl-2-pentanone	7.25	43	679889	95.042	uq/L	99
42) Toluene	7.41	91	1033819	49.743	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	393899	49.833	uq/L	100
45) 1,1,2-Trichloroethane	7.86	97	231464	49.786	uq/L	99
46) Tetrachloroethene	8.00	164	173183	48.986	uq/L	98
48) 2-Hexanone	8.16	43	549108	100.704	uq/L	98
49) Dibromochloromethane	8.27	129	265094	50.056	uq/L	99
50) 1,2-Dibromoethane	8.37	107	250196	48.919	uq/L	98
51) Chlorobenzene	8.90	112	672475	49.885	uq/L	98
52) Ethylbenzene	9.03	91	1202533	51.586	uq/L	99
53) m,p-Xylene	9.16	106	458430	50.015	uq/L	98
54) o-xylene	9.56	106	458730	51.269	uq/L	98
55) Styrene	9.58	104	781269	51.182	uq/L	100
56) Isopropylbenzene	9.95	105	1200596	51.503	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	381793	48.780	uq/L	99
59) 1,2,3-Trichloropropane	10.30	75	307251	48.834	uq/L	100
61) Bromoform	9.75	173	173380	47.605	uq/L	97
62) 1,3-Dichlorobenzene	11.20	146	513628	50.111	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	510281	48.867	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	511617	49.474	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	105078	46.788	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	344354	49.855	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	318008	48.899	uq/L	99
69) Naphthalene	13.52	128	1209599	48.619	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	319224	49.395	uq/L	100

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

