

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011121\
 Data File : VW017825.D
 Acq On : 11 Jan 2021 17:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Manual Integrations
 APPROVED

SAM
 1/12/2021 9:30:36 PM

Quant Time: Jan 12 06:51:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 12 05:24:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	290685	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276939	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142172	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102426	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.89	69	90269	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.28%
10) 1,1-Dichloroethene-d2	4.03	63	191798	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.92%
20) 2-Butanone-d5	7.08	46	50653	69.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.98%#
24) Chloroform-d	7.65	84	210906	27.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.04%
26) 1,2-Dichloroethane-d4	8.31	65	118606	30.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.68%
29) Benzene-d6	8.27	84	387222	24.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.28%
33) 1,2-Dichloropropane-d6	9.27	67	117820	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.60%
37) Toluene-d8	10.32	98	373748	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.80%
38) trans-1,3-Dichloropropene-	10.58	79	52661	27.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.88%
39) 2-Hexanone-d5	10.93	63	37642	69.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.42%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99253	31.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.36%#
61) 1,2-Dichlorobenzene-d4	13.85	152	127365	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	64038	19.953	ug/L	99
3) Chloromethane	2.21	50	60866	21.336	ug/L	97
5) Vinyl chloride	2.36	62	112200	23.249	ug/L	99
6) Bromomethane	2.78	94	78551	21.950	ug/L	99
8) Chloroethane	2.92	64	74097	24.489	ug/L	96
9) Trichlorofluoromethane	3.26	101	79617	20.108	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	91158	24.668	ug/L	97
12) 1,1-Dichloroethene	4.04	96	85894	23.976	ug/L	91
13) Acetone	4.12	43	30339	48.197	ug/L	98
14) Carbon disulfide	4.39	76	246893	23.080	ug/L	100
15) Methyl Acetate	4.67	43	39391m	32.287	ug/L	
16) Methylene chloride	4.92	84	98474	23.690	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	124865	27.502	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	95520	24.720	ug/L	98
19) 1,1-Dichloroethane	6.21	63	178834	27.089	ug/L	97
21) 2-Butanone	7.17	43	51419	60.728	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	103907	25.590	ug/L	94

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

23) Bromochloromethane	7.51	128	44869	26.086	ug/L #	74
25) Chloroform	7.67	83	187218	26.951	ug/L	99
27) 1,2-Dichloroethane	8.40	62	130300	28.998	ug/L	97
30) Cyclohexane	7.95	56	160050	24.280	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	152345	23.915	ug/L	97
32) Carbon tetrachloride	8.07	117	144666	24.070	ug/L	99
34) Benzene	8.32	78	404338	25.535	ug/L	100
35) Trichloroethene	9.09	95	107091	24.433	ug/L	95
36) Methylcyclohexane	9.34	83	179611	23.442	ug/L	96
40) 1,2-Dichloropropane	9.37	63	99534	26.627	ug/L	100
41) Bromodichloromethane	9.65	83	138997	27.165	ug/L #	99
42) cis-1,3-Dichloropropene	10.07	75	162279	27.204	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	118263	65.119	ug/L	96
44) Toluene	10.39	91	460813	25.521	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	142882	28.128	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76807	27.643	ug/L	98
47) Tetrachloroethene	10.86	164	81340	23.737	ug/L	93
49) 2-Hexanone	10.97	43	81830	63.508	ug/L	95
50) Dibromochloromethane	11.13	129	91859	27.847	ug/L	88
51) 1,2-Dibromoethane	11.24	107	76592	29.117	ug/L	91
52) Chlorobenzene	11.66	112	286289	25.399	ug/L	93
53) Ethylbenzene	11.73	91	531177	25.927	ug/L	96
54) m,p-Xylene	11.84	106	198579	24.778	ug/L	98
55) o-xylene	12.16	106	188235	24.975	ug/L	94
56) Styrene	12.18	104	325366	25.953	ug/L	100
57) Isopropylbenzene	12.46	105	521370	24.986	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	92247	29.745	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	68456	30.028	ug/L	100
62) Bromoform	12.35	173	48519	27.891	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	221844	25.281	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	225542	25.577	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	201689	26.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	14991	29.519	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	151927	25.255	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	128054	25.861	ug/L	96
69) Naphthalene	15.36	128	255362	27.081	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	105435	25.215	ug/L	96

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

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