

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062218\
 Data File : VW003436.D
 Acq On : 22 Jun 2018 19:55
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:44 PM

6/26/2018 12:02:44 PM

Quant Time: Jun 23 03:55:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 23 02:14:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	355838	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	338256	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177606	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	95030	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
7) Chloroethane-d5	2.89	69	83275	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.72%
10) 1,1-Dichloroethene-d2	4.01	63	212235	22.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.60%
20) 2-Butanone-d5	7.09	46	76933	50.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.18%
24) Chloroform-d	7.65	84	220786	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.31	65	133634	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	401003	22.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.36%
33) 1,2-Dichloropropane-d6	9.27	67	131466	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.56%
37) Toluene-d8	10.33	98	381549	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.92%
38) trans-1,3-Dichloropropene-	10.58	79	59680	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.52%
39) 2-Hexanone-d5	10.93	63	60685	52.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.52%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	133432	25.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.96%
61) 1,2-Dichlorobenzene-d4	13.87	152	151410	22.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.28%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.00	85	76589	39.19	ug/L	# 83
3) Chloromethane	2.21	50	102233	24.35	ug/L	99
5) Vinyl chloride	2.36	62	154487	25.42	ug/L	96
6) Bromomethane	2.78	94	83066	23.49	ug/L	100
8) Chloroethane	2.92	64	89884	24.28	ug/L	98
9) Trichlorofluoromethane	3.25	101	96394	27.66	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	121860	25.90	ug/L	97
12) 1,1-Dichloroethene	4.03	96	117388	26.39	ug/L	95
13) Acetone	4.14	43	80847	49.88	ug/L	98
14) Carbon disulfide	4.37	76	361016	25.16	ug/L	100
15) Methyl Acetate	4.68	43	69836m	26.29	ug/L	
16) Methylene chloride	4.91	84	126113	25.72	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	220075	26.82	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	120255	25.95	ug/L	97
19) 1,1-Dichloroethane	6.21	63	232190	26.85	ug/L	99
21) 2-Butanone	7.18	43	96676	50.75	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	131148	26.63	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61215	26.87	ug/L	99
25) Chloroform	7.68	83	243745	27.41	ug/L	99
27) 1,2-Dichloroethane	8.40	62	175316	27.23	ug/L	100
30) Cyclohexane	7.95	56	207949	26.63	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192711	25.93	ug/L	99
32) Carbon tetrachloride	8.07	117	183689	25.59	ug/L	100
34) Benzene	8.32	78	516409	26.77	ug/L	100
35) Trichloroethene	9.09	95	136418	26.24	ug/L	98
36) Methylcyclohexane	9.34	83	235422	26.53	ug/L	100
40) 1,2-Dichloropropane	9.37	63	138680	27.32	ug/L	99
41) Bromodichloromethane	9.65	83	173859	26.65	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	203807	26.90	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	198073	54.62	ug/L	99
44) Toluene	10.39	91	569917	27.24	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	186357	27.19	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103258	27.25	ug/L	97
47) Tetrachloroethene	10.87	164	112527	25.76	ug/L	98
49) 2-Hexanone	10.98	43	153331	56.74	ug/L	99
50) Dibromochloromethane	11.13	129	123050	26.67	ug/L	96
51) 1,2-Dibromoethane	11.24	107	100374	26.66	ug/L	99
52) Chlorobenzene	11.66	112	363469	26.76	ug/L	99
53) Ethylbenzene	11.74	91	647081	27.58	ug/L	99
54) m,p-Xylene	11.85	106	242173	27.79	ug/L	98
55) o-xylene	12.17	106	230759	27.84	ug/L	97
56) Styrene	12.19	104	405589	28.34	ug/L	99
57) Isopropylbenzene	12.47	105	644060	28.00	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	137565	27.54	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	106089	27.71	ug/L	98
62) Bromoform	12.35	173	76428	25.57	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	284351	26.04	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	298662	26.09	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	275444	26.42	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	23423	25.60	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	228106	26.88	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	186003	26.93	ug/L	97
69) Naphthalene	15.38	128	359414	27.81	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	176471	27.87	ug/L	99

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

