

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100218\
 Data File : VW005767.D
 Acq On : 02 Oct 2018 10:27
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 7:12:13 PM

Quant Time: Oct 03 05:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 02 07:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	257517	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	243575	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	127367	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78627	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
7) Chloroethane-d5	2.90	69	65255	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.92%
10) 1,1-Dichloroethene-d2	4.01	63	171074	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.48%
20) 2-Butanone-d5	7.09	46	68389	64.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.78%
24) Chloroform-d	7.65	84	179818	27.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.72%
26) 1,2-Dichloroethane-d4	8.31	65	111249	27.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.08%
29) Benzene-d6	8.27	84	335611	27.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.32%
33) 1,2-Dichloropropane-d6	9.28	67	100011	28.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.80%
37) Toluene-d8	10.33	98	320135	26.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.56%
38) trans-1,3-Dichloropropene-	10.58	79	48953	26.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.96%
39) 2-Hexanone-d5	10.93	63	55478	67.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.96%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	104767	30.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.80%#
61) 1,2-Dichlorobenzene-d4	13.87	152	124936	27.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	73797	24.439	ug/L 97
3) Chloromethane	2.21	50	55892	19.870	ug/L 98
5) Vinyl chloride	2.37	62	89553	22.080	ug/L 100
6) Bromomethane	2.79	94	52604	21.557	ug/L 98
8) Chloroethane	2.93	64	50719	22.491	ug/L 97
9) Trichlorofluoromethane	3.26	101	63180	20.387	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	83114	23.741	ug/L # 85
12) 1,1-Dichloroethene	4.03	96	74556m	22.298	ug/L
13) Acetone	4.15	43	53706	48.935	ug/L 72
14) Carbon disulfide	4.38	76	218530	20.845	ug/L 98
15) Methyl Acetate	4.68	43	47972	24.630	ug/L 99
16) Methylene chloride	4.92	84	81671	19.235	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	117848	22.152	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	74177	21.571	ug/L 98
19) 1,1-Dichloroethane	6.21	63	142420	22.383	ug/L 99
21) 2-Butanone	7.18	43	67822	51.601	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	84319	22.558	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	39610	22.833	ug/L	97
25) Chloroform	7.68	83	155189	22.795	ug/L	99
27) 1,2-Dichloroethane	8.40	62	114598	22.862	ug/L	98
30) Cyclohexane	7.96	56	126036	22.830	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	135505	22.717	ug/L	99
32) Carbon tetrachloride	8.07	117	131034	22.559	ug/L	99
34) Benzene	8.33	78	323059	23.473	ug/L	100
35) Trichloroethene	9.09	95	82829	22.496	ug/L	98
36) Methylcyclohexane	9.34	83	144979	22.644	ug/L	98
40) 1,2-Dichloropropane	9.37	63	81915	24.423	ug/L	100
41) Bromodichloromethane	9.65	83	111196	23.580	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	127966	23.103	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	138121	50.462	ug/L	99
44) Toluene	10.39	91	350095	22.763	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	122017	23.658	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	66651	23.814	ug/L	99
47) Tetrachloroethene	10.87	164	72439	22.331	ug/L	98
49) 2-Hexanone	10.98	43	101664	52.914	ug/L	99
50) Dibromochloromethane	11.13	129	83417	23.765	ug/L	97
51) 1,2-Dibromoethane	11.24	107	65355	24.153	ug/L	94
52) Chlorobenzene	11.66	112	229674	22.700	ug/L	99
53) Ethylbenzene	11.74	91	402204	22.840	ug/L	99
54) m,p-Xylene	11.84	106	152897	23.046	ug/L	94
55) o-xylene	12.17	106	144410	23.094	ug/L	96
56) Styrene	12.19	104	256808	23.402	ug/L	98
57) Isopropylbenzene	12.47	105	412217	23.079	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	91849	25.726	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	73942	25.513	ug/L	100
62) Bromoform	12.35	173	56429	24.915	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	183815	22.720	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	192983	22.842	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	183753	23.604	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	18799	25.398	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	155134	23.364	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	129275	23.701	ug/L	100
69) Naphthalene	15.38	128	276589	25.307	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	126034	24.654	ug/L	99

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

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