

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\
 Data File : VW006329.D
 Acq On : 24 Oct 2018 19:26
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Manual Integrations
 APPROVED

apatel
 10/30/2018 11:06:10 AM

Quant Time: Oct 25 12:36:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	338146	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318367	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177698	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76034	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
7) Chloroethane-d5	2.90	69	73567	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.64%
10) 1,1-Dichloroethene-d2	4.02	63	172067	23.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.00%
20) 2-Butanone-d5	7.09	46	63531	50.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.52%
24) Chloroform-d	7.65	84	182771	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.31	65	100685	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.40%
29) Benzene-d6	8.28	84	347694	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.28	67	104671	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.33	98	344916	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.44%
38) trans-1,3-Dichloropropene-	10.58	79	46928	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.56%
39) 2-Hexanone-d5	10.93	63	53882	51.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121166	28.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	154939	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	105443	32.992	ug/L	96
3) Chloromethane	2.22	50	89903	28.644	ug/L	98
5) Vinyl chloride	2.37	62	137103	27.103	ug/L	100
6) Bromomethane	2.79	94	99367	25.227	ug/L	99
8) Chloroethane	2.93	64	85018	27.420	ug/L	97
9) Trichlorofluoromethane	3.26	101	122396	30.244	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117642	29.075	ug/L	99
12) 1,1-Dichloroethene	4.04	96	108194m	27.869	ug/L	
13) Acetone	4.14	43	66511	52.083	ug/L	100
14) Carbon disulfide	4.38	76	311309	24.529	ug/L	100
15) Methyl Acetate	4.68	43	54347	26.274	ug/L	97
16) Methylene chloride	4.92	84	122616	28.086	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	173277	27.419	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	115039	26.764	ug/L	96
19) 1,1-Dichloroethane	6.22	63	185790	26.711	ug/L	99
21) 2-Butanone	7.18	43	81578	48.076	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	125446	26.756	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59350	26.913	ug/L	94
25) Chloroform	7.68	83	202897	27.099	ug/L	99
27) 1,2-Dichloroethane	8.40	62	137640	26.970	ug/L	98
30) Cyclohexane	7.96	56	182039	26.015	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	179732	26.979	ug/L	99
32) Carbon tetrachloride	8.07	117	172339	26.378	ug/L	99
34) Benzene	8.33	78	438302	26.818	ug/L	100
35) Trichloroethene	9.10	95	124462	27.066	ug/L	100
36) Methylcyclohexane	9.34	83	227253	26.972	ug/L	98
40) 1,2-Dichloropropane	9.37	63	106089	26.167	ug/L	99
41) Bromodichloromethane	9.65	83	139772	25.530	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	169139	25.542	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	158961	48.930	ug/L	98
44) Toluene	10.39	91	497725	27.122	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	148236	25.628	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	91982	27.244	ug/L	99
47) Tetrachloroethene	10.87	164	118071	27.738	ug/L	96
49) 2-Hexanone	10.98	43	121783	50.864	ug/L	97
50) Dibromochloromethane	11.13	129	109639	25.336	ug/L	100
51) 1,2-Dibromoethane	11.24	107	94481	26.885	ug/L	99
52) Chlorobenzene	11.66	112	339457	27.334	ug/L	97
53) Ethylbenzene	11.74	91	582562	27.268	ug/L	99
54) m,p-Xylene	11.85	106	228185	27.248	ug/L	100
55) o-xylene	12.17	106	216612	27.090	ug/L	100
56) Styrene	12.19	104	367778	26.709	ug/L	95
57) Isopropylbenzene	12.47	105	610231	27.428	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	143411	32.687	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	100340m	30.652	ug/L	
62) Bromoform	12.35	173	71453	23.998	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	301800	27.656	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	316738	28.823	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	277663	27.659	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22544m	27.899	ug/L	
67) 1,3,5-Trichlorobenzene	14.64	180	249104	28.319	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	294098	39.210	ug/L	99
69) Naphthalene	15.38	128	440993	29.039	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	208922	31.005	ug/L	99

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

