

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072518\
 Data File : VW004190.D
 Acq On : 25 Jul 2018 10:03
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Manual Integrations
 APPROVED

apatel
 7/26/2018 4:25:40 PM

Quant Time: Jul 26 00:47:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 25 00:28:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	315788	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325859	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	167151	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59613	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	2.89	69	47340	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.12%
10) 1,1-Dichloroethene-d2	4.01	63	155193	20.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.84%
20) 2-Butanone-d5	7.09	46	96269	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
24) Chloroform-d	7.65	84	185228	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.31	65	109651	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.16%
29) Benzene-d6	8.28	84	316642	20.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.80%
33) 1,2-Dichloropropane-d6	9.27	67	110844	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.96%
37) Toluene-d8	10.33	98	287677	21.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.72%
38) trans-1,3-Dichloropropene-	10.58	79	49344	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.08%
39) 2-Hexanone-d5	10.93	63	77773	57.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.62%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	148329	26.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	132691	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	44969m	22.241	ug/L
3) Chloromethane	2.21	50	76148	23.558	ug/L
5) Vinyl chloride	2.36	62	110384	22.679	ug/L
6) Bromomethane	2.78	94	60940	23.585	ug/L
8) Chloroethane	2.92	64	59654	23.379	ug/L
9) Trichlorofluoromethane	3.25	101	55034	22.694	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	103923	24.099	ug/L
12) 1,1-Dichloroethene	4.03	96	98790	23.501	ug/L
13) Acetone	4.13	43	88167	44.274	ug/L
14) Carbon disulfide	4.37	76	303816	22.341	ug/L
15) Methyl Acetate	4.67	43	80856	23.801	ug/L
16) Methylene chloride	4.90	84	114215	18.853	ug/L
17) Methyl tert-butyl Ether	5.42	73	202649	24.927	ug/L
18) trans-1,2-Dichloroethene	5.41	96	107764	24.901	ug/L
19) 1,1-Dichloroethane	6.21	63	210439	25.559	ug/L
21) 2-Butanone	7.18	43	115481	46.738	ug/L
22) cis-1,2-Dichloroethene	7.17	96	119262	25.783	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56821	26.125	ug/L	97
25) Chloroform	7.67	83	218572	25.996	ug/L	100
27) 1,2-Dichloroethane	8.40	62	160658	25.926	ug/L	99
30) Cyclohexane	7.95	56	176695	22.233	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	170506	23.007	ug/L	99
32) Carbon tetrachloride	8.07	117	164791	23.047	ug/L	100
34) Benzene	8.32	78	472163	23.638	ug/L	100
35) Trichloroethene	9.09	95	121034	22.647	ug/L	98
36) Methylcyclohexane	9.34	83	204756	23.180	ug/L	99
40) 1,2-Dichloropropane	9.37	63	128798	23.786	ug/L	98
41) Bromodichloromethane	9.65	83	162068	24.309	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	188284	24.677	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	225348	47.340	ug/L	99
44) Toluene	10.39	91	517588	24.729	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176647	25.101	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	109189	25.946	ug/L	99
47) Tetrachloroethene	10.87	164	109425	25.387	ug/L	96
49) 2-Hexanone	10.98	43	196332	53.274	ug/L	100
50) Dibromochloromethane	11.13	129	126641	26.863	ug/L	96
51) 1,2-Dibromoethane	11.24	107	106226	25.844	ug/L	99
52) Chlorobenzene	11.66	112	355162	26.465	ug/L	100
53) Ethylbenzene	11.74	91	625475	27.607	ug/L	99
54) m,p-Xylene	11.85	106	238595	28.573	ug/L	97
55) o-xylene	12.17	106	221473	27.729	ug/L	99
56) Styrene	12.19	104	392626	28.456	ug/L	96
57) Isopropylbenzene	12.47	105	602855	27.529	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	154535	25.690	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	118320	25.410	ug/L	98
62) Bromoform	12.35	173	80378	25.481	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	267485	25.982	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	283085	25.645	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	260041	25.920	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28469	24.340	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	203523	25.000	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	165604	25.366	ug/L	98
69) Naphthalene	15.38	128	396795	26.995	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	163465	26.317	ug/L	100

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

