

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072518\
 Data File : VW004198.D
 Acq On : 25 Jul 2018 14:56
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Manual Integrations
 APPROVED

apatel
 7/26/2018 4:25:49 PM

Quant Time: Jul 26 01:18:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 00:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	294924	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152600	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	49304	16.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.20%
7) Chloroethane-d5	2.89	69	44472	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.60%
10) 1,1-Dichloroethene-d2	4.01	63	159756	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.08%
20) 2-Butanone-d5	7.08	46	114968	64.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.66%
24) Chloroform-d	7.65	84	189534	26.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	8.31	65	114872	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.12%
29) Benzene-d6	8.28	84	330394	24.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.60%
33) 1,2-Dichloropropane-d6	9.27	67	118142	25.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.56%
37) Toluene-d8	10.33	98	295422	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	51409	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.56%
39) 2-Hexanone-d5	10.93	63	83620	68.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.16%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148339	29.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	127569	26.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	48523m	24.789	ug/L	
3) Chloromethane	2.21	50	73006	23.331	ug/L	97
5) Vinyl chloride	2.36	62	94478	20.051	ug/L	99
6) Bromomethane	2.78	94	55666	22.253	ug/L	100
8) Chloroethane	2.92	64	57025	23.085	ug/L	94
9) Trichlorofluoromethane	3.25	101	46953	20.000	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110338	26.430	ug/L	97
12) 1,1-Dichloroethene	4.03	96	104266	25.621	ug/L	88
13) Acetone	4.12	43	99288	51.502	ug/L	98
14) Carbon disulfide	4.37	76	323373	24.562	ug/L	98
15) Methyl Acetate	4.67	43	93082	28.302	ug/L	98
16) Methylene chloride	4.91	84	126587	21.584	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	214435	27.246	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	112849	26.935	ug/L	94
19) 1,1-Dichloroethane	6.21	63	221631	27.805	ug/L	99
21) 2-Butanone	7.18	43	133864	55.962	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	125745	28.080	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60111	28.548	ug/L	96
25) Chloroform	7.67	83	227534	27.954	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163641	27.278	ug/L	98
30) Cyclohexane	7.95	56	184644	25.670	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	175331	26.140	ug/L	99
32) Carbon tetrachloride	8.07	117	169546	26.200	ug/L	100
34) Benzene	8.32	78	499769	27.645	ug/L	100
35) Trichloroethene	9.09	95	127445	26.348	ug/L	99
36) Methylcyclohexane	9.34	83	216046	27.024	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136761	27.906	ug/L	99
41) Bromodichloromethane	9.65	83	167030	27.681	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	194192	28.121	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	254291	59.023	ug/L	100
44) Toluene	10.39	91	538019	28.401	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	182715	28.686	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	106480	27.956	ug/L	99
47) Tetrachloroethene	10.87	164	104760	26.854	ug/L	97
49) 2-Hexanone	10.97	43	201656	60.458	ug/L	99
50) Dibromochloromethane	11.13	129	122616	28.737	ug/L	95
51) 1,2-Dibromoethane	11.24	107	104615	28.122	ug/L	98
52) Chlorobenzene	11.66	112	339151	27.923	ug/L	100
53) Ethylbenzene	11.74	91	597830	29.154	ug/L	99
54) m,p-Xylene	11.85	106	225639	29.856	ug/L	99
55) o-xylene	12.17	106	209216	28.942	ug/L	99
56) Styrene	12.19	104	377190	30.204	ug/L	98
57) Isopropylbenzene	12.47	105	582114	29.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	154043	28.295	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	118848	28.201	ug/L	100
62) Bromoform	12.35	173	79588	27.636	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	258810	27.537	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	276754	27.462	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	254591	27.796	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28980	27.139	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	205629	27.668	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	167997	28.187	ug/L	98
69) Naphthalene	15.38	128	407833	30.391	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	169918	29.964	ug/L	99

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

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