

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032219\
 Data File : VW009359.D
 Acq On : 22 Mar 2019 21:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Manual Integrations
 APPROVED

apatel
 4/9/2019 8:54:37 AM

Quant Time: Mar 23 04:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	438891	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	412597	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	213355	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119909	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
7) Chloroethane-d5	2.89	69	128471	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
10) 1,1-Dichloroethene-d2	4.01	63	261093	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	7.08	46	99782	46.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.00%
24) Chloroform-d	7.64	84	281631	23.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	8.30	65	166434	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
29) Benzene-d6	8.27	84	518432	22.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.12%
33) 1,2-Dichloropropane-d6	9.27	67	156633	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	10.32	98	479521	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.16%
38) trans-1,3-Dichloropropene-	10.58	79	73127	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.24%
39) 2-Hexanone-d5	10.93	63	79559	48.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	166076	24.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	187834	22.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	121763	21.060	ug/L 89
3) Chloromethane	2.21	50	148133	24.149	ug/L 99
5) Vinyl chloride	2.37	62	186552	29.547	ug/L 97
6) Bromomethane	2.78	94	136422	25.790	ug/L 100
8) Chloroethane	2.93	64	131293	25.134	ug/L 91
9) Trichlorofluoromethane	3.25	101	102079	20.468	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	142561	24.752	ug/L 97
12) 1,1-Dichloroethene	4.04	96	142491	26.365	ug/L # 73
13) Acetone	4.13	43	77844	43.764	ug/L 99
14) Carbon disulfide	4.37	76	397423	27.323	ug/L 100
15) Methyl Acetate	4.67	43	87510	25.043	ug/L 98
16) Methylene chloride	4.91	84	157394m	24.592	ug/L
17) Methyl tert-butyl Ether	5.42	73	188978	24.712	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	148187	26.079	ug/L 97
19) 1,1-Dichloroethane	6.21	63	273649	26.412	ug/L 97
21) 2-Butanone	7.18	43	119171	48.523	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	160592	26.089	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73923	25.039	ug/L	95
25) Chloroform	7.67	83	286361	26.393	ug/L	100
27) 1,2-Dichloroethane	8.40	62	210377	26.006	ug/L	100
30) Cyclohexane	7.95	56	243621	25.999	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	224644	27.261	ug/L	99
32) Carbon tetrachloride	8.06	117	227546	27.368	ug/L	98
34) Benzene	8.32	78	609603	26.994	ug/L	100
35) Trichloroethene	9.09	95	158055	26.266	ug/L	99
36) Methylcyclohexane	9.34	83	272794	26.203	ug/L	100
40) 1,2-Dichloropropane	9.37	63	151557	26.153	ug/L	99
41) Bromodichloromethane	9.64	83	212948	26.521	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	237729	25.187	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	258294	49.188	ug/L	100
44) Toluene	10.38	91	657057	26.611	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	205427	25.020	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	119577	25.864	ug/L	98
47) Tetrachloroethene	10.86	164	129800	25.528	ug/L	99
49) 2-Hexanone	10.97	43	184225	49.811	ug/L	98
50) Dibromochloromethane	11.13	129	149440	26.184	ug/L	98
51) 1,2-Dibromoethane	11.23	107	119300	25.454	ug/L #	97
52) Chlorobenzene	11.66	112	416776	26.317	ug/L	99
53) Ethylbenzene	11.73	91	738897	26.617	ug/L	97
54) m,p-Xylene	11.84	106	281828	26.722	ug/L	97
55) o-xylene	12.16	106	269331	26.177	ug/L	97
56) Styrene	12.18	104	471378	26.852	ug/L	97
57) Isopropylbenzene	12.46	105	748513	27.158	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	165145	26.478	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	122274	26.416	ug/L	98
62) Bromoform	12.35	173	93318	25.886	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	319612	25.135	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	338640	25.759	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	311254	25.667	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	30611	25.757	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	251013	25.309	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	206729	24.814	ug/L	100
69) Naphthalene	15.37	128	453641	26.264	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	203284	26.052	ug/L	98

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

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