

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010410.D
 Acq On : 22 Apr 2019 12:40
 Operator : SY/MD
 Sample : VSTD2.577
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 9:20:38 AM

Quant Time: Apr 22 14:07:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 14:00:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	525375	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	499631	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	244496	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21466	3.22	ug/L	0.00
7) Chloroethane-d5	1.57	69	16158	2.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	37872	2.35	ug/L	0.00
20) 2-Butanone-d5	3.95	46	6529m	3.14	ug/L	0.02
24) Chloroform-d	4.39	84	30904	2.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	18804	2.31	ug/L	0.00
29) Benzene-d6	5.10	84	61020	2.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	18563	2.48	ug/L	0.00
37) Toluene-d8	7.36	98	57005	2.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	7811	2.12	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	5571	3.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14526	1.94	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	22849	2.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20575	2.582 ug/L	100
3) Chloromethane	1.25	50	17386	2.510 ug/L	98
5) Vinyl chloride	1.32	62	21684	2.997 ug/L	99
6) Bromomethane	1.51	94	12879	2.783 ug/L	91
8) Chloroethane	1.59	64	11687	2.535 ug/L	93
9) Trichlorofluoromethane	1.76	101	36449	2.453 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20526	2.622 ug/L	95
12) 1,1-Dichloroethene	2.14	96	17828	2.612 ug/L	90
13) Acetone	2.19	43	11873	5.415 ug/L	88
14) Carbon disulfide	2.31	76	39035	2.319 ug/L	98
15) Methyl Acetate	2.46	43	6537	1.827 ug/L	94
16) Methylene chloride	2.53	84	29680	3.537 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	37942	2.309 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	14965	2.311 ug/L	99
19) 1,1-Dichloroethane	3.23	63	25876	2.340 ug/L	98
21) 2-Butanone	4.03	43	9177	3.861 ug/L #	73
22) cis-1,2-Dichloroethene	3.96	96	16424	2.227 ug/L	94
23) Bromochloromethane	4.30	128	7501	2.032 ug/L	90
25) Chloroform	4.42	83	32086	2.490 ug/L	96
27) 1,2-Dichloroethane	5.18	62	21855	2.373 ug/L	98
30) Cyclohexane	4.72	56	24770	2.705 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	27513	2.498 ug/L	96
32) Carbon tetrachloride	4.87	117	27544	2.650 ug/L	93
34) Benzene	5.14	78	55316	2.269 ug/L	100
35) Trichloroethene	5.96	95	17803	2.468 ug/L	97
36) Methylcyclohexane	6.17	83	26271	2.501 ug/L	96
40) 1,2-Dichloropropane	6.22	63	12693	2.030 ug/L #	94
41) Bromodichloromethane	6.56	83	20058	2.286 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	19310	2.047 ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	18199	3.725 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	67206	2.445	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	17697	2.013	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	11681	2.073	ug/L	95
47) Tetrachloroethene	8.02	164	15872	2.466	ug/L	91
49) 2-Hexanone	8.18	43	12286	3.593	ug/L	95
50) Dibromochloromethane	8.29	129	14019	2.027	ug/L	97
51) 1,2-Dibromoethane	8.40	107	12162	2.177	ug/L	99
52) Chlorobenzene	8.92	112	45992	2.405	ug/L	99
53) Ethylbenzene	9.05	91	75435	2.416	ug/L	96
54) m,p-Xylene	9.18	106	29652	2.453	ug/L	95
55) o-xylene	9.59	106	27698	2.376	ug/L	96
56) Styrene	9.60	104	41799	2.100	ug/L	99
57) Isopropylbenzene	9.97	105	78258	2.519	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	13953	1.915	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	10356	1.963	ug/L	96
62) Bromoform	9.77	173	8215	2.173	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	35550	2.384	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	37299	2.426	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	34982	2.430	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2007	1.744	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	26939	2.172	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	18638	1.881	ug/L	93
69) Naphthalene	13.55	128	26151	1.429	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	16396	1.702	ug/L	97

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

