

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010343.D
 Acq On : 18 Apr 2019 11:30
 Operator : SY/MD
 Sample : VSTD2.501
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.501

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:53:42 AM

Quant Time: Apr 18 12:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 12:43:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	322114	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	305662	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	159116	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10727	2.89	ug/L	0.00
7) Chloroethane-d5	1.57	69	8803	2.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	26304	2.79	ug/L	0.00
20) 2-Butanone-d5	3.95	46	5072m	5.41	ug/L	0.01
24) Chloroform-d	4.40	84	20135	2.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	11523	2.75	ug/L	0.00
29) Benzene-d6	5.10	84	38080	2.58	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	10406	2.37	ug/L	0.00
37) Toluene-d8	7.36	98	35066	2.44	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4805	2.63	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	3860	5.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9245	2.35	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	14820	2.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11917	2.309 ug/L	99
3) Chloromethane	1.25	50	11127	2.627 ug/L	97
5) Vinyl chloride	1.32	62	11444	2.513 ug/L	94
6) Bromomethane	1.52	94	7006	1.898 ug/L	97
8) Chloroethane	1.59	64	7753	2.730 ug/L	97
9) Trichlorofluoromethane	1.76	101	22947	2.488 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12237	2.478 ug/L	98
12) 1,1-Dichloroethene	2.14	96	10678	2.513 ug/L	91
13) Acetone	2.19	43	8208	8.187 ug/L	97
14) Carbon disulfide	2.31	76	27125	2.643 ug/L	99
15) Methyl Acetate	2.46	43	5861	3.282 ug/L #	86
16) Methylene chloride	2.53	84	17307	2.744 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	22911	2.491 ug/L #	89
18) trans-1,2-Dichloroethene	2.79	96	10127	2.508 ug/L	91
19) 1,1-Dichloroethane	3.23	63	15824	2.382 ug/L	97
21) 2-Butanone	4.04	43	6630m	5.798 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	11158	2.540 ug/L #	81
23) Bromochloromethane	4.30	128	5218	2.412 ug/L	96
25) Chloroform	4.42	83	18772	2.379 ug/L	99
27) 1,2-Dichloroethane	5.18	62	12848	2.544 ug/L	97
30) Cyclohexane	4.73	56	14192	2.479 ug/L	94
31) 1,1,1-Trichloroethane	4.66	97	16630	2.601 ug/L	92
32) Carbon tetrachloride	4.87	117	15753	2.644 ug/L	96
34) Benzene	5.15	78	36964	2.386 ug/L	100
35) Trichloroethene	5.96	95	11792	2.634 ug/L	90
36) Methylcyclohexane	6.18	83	15205	2.273 ug/L	92
40) 1,2-Dichloropropane	6.22	63	9116	2.404 ug/L #	89
41) Bromodichloromethane	6.55	83	11713	2.319 ug/L #	94
42) cis-1,3-Dichloropropene	7.07	75	12378	2.154 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	13951	5.685 ug/L	98

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

44) Toluene	7.43	91	39095	2.244	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	10913	2.263	ug/L	96
46) 1,1,2-Trichloroethane	7.89	97	7971	2.478	ug/L	97
47) Tetrachloroethene	8.02	164	9997	2.519	ug/L	94
49) 2-Hexanone	8.19	43	7871	4.879	ug/L	98
50) Dibromochloromethane	8.29	129	8887	2.259	ug/L	88
51) 1,2-Dibromoethane	8.40	107	7631	2.326	ug/L	94
52) Chlorobenzene	8.92	112	27395	2.254	ug/L	97
53) Ethylbenzene	9.05	91	44772	2.331	ug/L	95
54) m,p-Xylene	9.18	106	16727	2.207	ug/L	86
55) o-xylene	9.59	106	15956	2.115	ug/L	90
56) Styrene	9.60	104	26091	2.172	ug/L	97
57) Isopropylbenzene	9.98	105	41927	2.186	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	10246	2.578	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	7268	2.484	ug/L	96
62) Bromoform	9.78	173	4595	1.990	ug/L #	99
63) 1,3-Dichlorobenzene	11.23	146	24008	2.433	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	24562	2.447	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	21993	2.335	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1963	3.685	ug/L #	66
67) 1,3,5-Trichlorobenzene	12.69	180	19835	2.713	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	14315	2.858	ug/L	98
69) Naphthalene	13.55	128	24940	3.664	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	14221	3.061	ug/L	98

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

