

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081518\
 Data File : VW004659.D
 Acq On : 14 Aug 2018 09:46
 Operator : SY/AP
 Sample : VSTD2.590
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.590

Manual Integrations
 APPROVED

apatel
 8/20/2018 12:20:15 PM

Quant Time: Aug 14 11:17:03 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M

Quant Title : VOC Analysis

QLast Update : Tue Aug 14 11:11:08 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	969178	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	968679	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	465156	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	40194	3.33	ug/L	0.00
7) Chloroethane-d5	2.90	69	29779	2.94	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	70414	2.88	ug/L	0.00
20) 2-Butanone-d5	7.10	46	14345	2.70	ug/L	0.00
24) Chloroform-d	7.65	84	65336	2.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33847	2.31	ug/L	0.00
29) Benzene-d6	8.28	84	125932	2.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	40697	2.42	ug/L	0.00
37) Toluene-d8	10.33	98	107208	2.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14456	2.09	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	10501	2.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	35150	1.92	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	43273	2.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	27143m	2.694	ug/L
3) Chloromethane	2.22	50	35315	2.653	ug/L
5) Vinyl chloride	2.37	62	53472	3.079	ug/L
6) Bromomethane	2.79	94	30973	3.083	ug/L
8) Chloroethane	2.93	64	29654	2.846	ug/L
9) Trichlorofluoromethane	3.26	101	26247	3.313	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	38337	2.787	ug/L
12) 1,1-Dichloroethene	4.04	96	37596	2.798	ug/L
13) Acetone	4.15	43	20397	4.429	ug/L
14) Carbon disulfide	4.38	76	130888	3.175	ug/L
16) Methylene chloride	4.92	84	72768	3.780	ug/L
17) Methyl tert-butyl Ether	5.43	73	44599	2.452	ug/L
18) trans-1,2-Dichloroethene	5.43	96	37370	2.719	ug/L
19) 1,1-Dichloroethane	6.22	63	68763	2.637	ug/L
21) 2-Butanone	7.19	43	25119	3.985	ug/L
22) cis-1,2-Dichloroethene	7.17	96	38773	2.585	ug/L
23) Bromochloromethane	7.52	128	18771	2.615	ug/L
25) Chloroform	7.68	83	68829	2.586	ug/L
27) 1,2-Dichloroethane	8.40	62	42699	2.388	ug/L
30) Cyclohexane	7.96	56	50291	2.195	ug/L
31) 1,1,1-Trichloroethane	7.87	97	54427	2.645	ug/L
32) Carbon tetrachloride	8.07	117	51714	2.607	ug/L
34) Benzene	8.33	78	150102	2.513	ug/L
35) Trichloroethene	9.09	95	38939	2.592	ug/L
36) Methylcyclohexane	9.34	83	62357	2.365	ug/L
40) 1,2-Dichloropropane	9.37	63	37895	2.396	ug/L
41) Bromodichloromethane	9.65	83	44650	2.350	ug/L
42) cis-1,3-Dichloropropene	10.08	75	47700	2.204	ug/L
43) 4-Methyl-2-pentanone	10.22	43	39056	3.293	ug/L
44) Toluene	10.39	91	145362	2.419	ug/L

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

45) trans-1,3-Dichloropropene	10.61	75	40817	2.098	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	28446	2.313	ug/L	95
47) Tetrachloroethene	10.87	164	32654	2.747	ug/L	97
49) 2-Hexanone	10.98	43	26254	2.946	ug/L	96
50) Dibromochloromethane	11.13	129	31041	2.276	ug/L	91
51) 1,2-Dibromoethane	11.24	107	25881	2.196	ug/L	94
52) Chlorobenzene	11.66	112	104360	2.568	ug/L	99
53) Ethylbenzene	11.74	91	157079	2.326	ug/L	98
54) m,p-Xylene	11.85	106	57812	2.294	ug/L	94
55) o-xylene	12.17	106	53377	2.236	ug/L	100
56) Styrene	12.19	104	87789	2.110	ug/L	95
57) Isopropylbenzene	12.47	105	143180	2.216	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	38019	2.130	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	26977	2.024	ug/L	98
62) Bromoform	12.35	173	18238	2.157	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	73769	2.549	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	83168	2.674	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	74532	2.570	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	59382	2.588	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	44726	2.409	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	41297	2.284	ug/L	97

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

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