

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024848.D
 Acq On : 02 Mar 2022 11:23
 Operator : SY/MD
 Sample : VSTD2.501
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5201

Quant Time: Mar 03 02:35:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 01:40:06 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2022
 Supervised By : Mahesh Dadoda 03/03/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	311744	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	295304	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	141550	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	10693	2.482	ug/L	0.00
7) Chloroethane-d5	1.568	69	8808	2.587	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	20844	2.585	ug/L	0.00
21) 2-Butanone-d5	3.950	46	4777m	3.784	ug/L	0.05
24) Chloroform-d	4.352	84	19095	2.221	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	9343	1.978	ug/L	0.00
32) Benzene-d6	5.053	84	37574	2.305	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	11088	2.319	ug/L	0.00
41) Toluene-d8	7.320	98	33409	2.192	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.632	79	4209	1.962	ug/L	0.01
47) 2-Hexanone-d5	8.104	63	3453	3.708	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.217	84	9372	2.235	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	11785	2.211	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	14642	2.507	ug/L	98
3) Chloromethane	1.243	50	14725	2.797	ug/L	98
5) Vinyl chloride	1.310	62	15151	2.968	ug/L	98
6) Bromomethane	1.523	94	9452	2.793	ug/L	96
8) Chloroethane	1.584	64	9359	3.001	ug/L	99
9) Trichlorofluoromethane	1.754	101	20093	2.565	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	12363	2.970	ug/L	98
12) 1,1-Dichloroethene	2.118	96	11363	2.924	ug/L #	71
13) Acetone	2.195	43	6992m	5.551	ug/L	
14) Carbon disulfide	2.294	76	38240	2.742	ug/L	100
15) Methyl Acetate	2.442	43	6204	3.226	ug/L	91
16) Methylene chloride	2.507	84	14361	2.455	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	12164	2.627	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	27773	2.641	ug/L	99
19) 1,1-Dichloroethane	3.191	63	21389	2.804	ug/L	99
20) cis-1,2-Dichloroethene	3.921	96	12959	2.752	ug/L	100
22) 2-Butanone	4.027	43	6005m	4.569	ug/L	
23) Bromochloromethane	4.259	128	5511	2.352	ug/L	92
25) Chloroform	4.381	83	22073	2.659	ug/L	95
27) 1,2-Dichloroethane	5.140	62	13790	2.592	ug/L	100
29) Cyclohexane	4.677	56	19790	3.015	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	19059	2.623	ug/L	98
31) Carbon tetrachloride	4.828	117	16217	2.498	ug/L	97
33) Benzene	5.105	78	47530	2.782	ug/L	100
34) Trichloroethene	5.915	95	13902	2.937	ug/L	97
35) Methylcyclohexane	6.130	83	22109	2.973	ug/L	98
37) 1,2-Dichloropropane	6.175	63	11438	2.869	ug/L	99
38) Bromodichloromethane	6.513	83	14595	2.558	ug/L #	92
39) cis-1,3-Dichloropropene	7.031	75	15305	2.436	ug/L	97
40) 4-Methyl-2-pentanone	7.236	43	14022	5.400	ug/L	98
42) Toluene	7.391	91	48903	2.649	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	13925	2.435	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.841	97	9484	2.732	ug/L	97
46) Tetrachloroethene	7.976	164	8962	2.239	ug/L	95
48) 2-Hexanone	8.149	43	8717	4.554	ug/L	93
49) Dibromochloromethane	8.246	129	9553	2.216	ug/L	93
50) 1,2-Dibromoethane	8.355	107	9027	2.632	ug/L #	98
51) Chlorobenzene	8.883	112	33048	2.639	ug/L	99
52) Ethylbenzene	9.011	91	54400	2.735	ug/L	95
53) m,p-Xylene	9.140	106	20240	2.585	ug/L	100
54) o-Xylene	9.542	106	18881	2.543	ug/L	99
55) Styrene	9.561	104	31113	2.437	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	10340	2.643	ug/L	98
59) Bromoform	9.731	173	4600	2.065	ug/L	98
60) Isopropylbenzene	9.931	105	50517	2.925	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	9141	3.436	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	42205	2.933	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	42011	2.844	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	24336	2.728	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	25078	2.763	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	22254	2.718	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	1534	2.430	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.644	180	16996	2.461	ug/L	96
70) 1,2,4-trichlorobenzene	13.259	180	14551	2.556	ug/L	99
71) Naphthalene	13.500	128	31059	2.860	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	13084	2.540	ug/L	96

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

