

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024849.D
 Acq On : 02 Mar 2022 11:46
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 02:35:47 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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	250227	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	240260	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	118438	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	16715	4.835	ug/L	0.00
7) Chloroethane-d5	1.568	69	12997	4.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	31509	4.869	ug/L	0.00
21) 2-Butanone-d5	3.931	46	9876m	9.746	ug/L	0.03
24) Chloroform-d	4.352	84	29174	4.227	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	15964	4.211	ug/L	0.00
32) Benzene-d6	5.053	84	58905	4.441	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	18047	4.639	ug/L	0.00
41) Toluene-d8	7.317	98	53076	4.281	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	7094	4.063	ug/L	0.00
47) 2-Hexanone-d5	8.098	63	8333	11.000	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	16512	4.840	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	18856	4.228	ug/L	0.00
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.130	85	25011	5.334	ug/L	100
3) Chloromethane	1.243	50	23171	5.483	ug/L	97
5) Vinyl chloride	1.311	62	23878	5.827	ug/L	99
6) Bromomethane	1.523	94	14854	5.468	ug/L	98
8) Chloroethane	1.584	64	14731	5.885	ug/L	95
9) Trichlorofluoromethane	1.751	101	32604	5.185	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	19217	5.751	ug/L	96
12) 1,1-Dichloroethene	2.118	96	18392	5.896	ug/L #	64
13) Acetone	2.185	43	10244	10.132	ug/L	95
14) Carbon disulfide	2.294	76	61437	5.489	ug/L	98
15) Methyl Acetate	2.439	43	11801	7.646	ug/L	99
16) Methylene chloride	2.507	84	23946	5.100	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	20477	5.509	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	50413	5.973	ug/L	99
19) 1,1-Dichloroethane	3.188	63	36715	5.996	ug/L	93
20) cis-1,2-Dichloroethene	3.918	96	21195	5.608	ug/L	97
22) 2-Butanone	4.018	43	13850m	13.127	ug/L	
23) Bromochloromethane	4.253	128	9980	5.306	ug/L	95
25) Chloroform	4.375	83	35384	5.311	ug/L	100
27) 1,2-Dichloroethane	5.134	62	22477	5.263	ug/L	98
29) Cyclohexane	4.677	56	33720	6.314	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	31713	5.365	ug/L	99
31) Carbon tetrachloride	4.825	117	26920	5.098	ug/L	100
33) Benzene	5.101	78	80487	5.791	ug/L	100
34) Trichloroethene	5.915	95	23215	6.029	ug/L	96
35) Methylcyclohexane	6.130	83	38365	6.342	ug/L	98
37) 1,2-Dichloropropane	6.175	63	18950	5.842	ug/L #	95
38) Bromodichloromethane	6.510	83	25214	5.431	ug/L	96
39) cis-1,3-Dichloropropene	7.031	75	28073	5.493	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	31243	14.790	ug/L	98
42) Toluene	7.387	91	83218	5.541	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	23777	5.111	ug/L	98

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

45) 1,1,2-Trichloroethane	7.841	97	17447	6.178	ug/L	96
46) Tetrachloroethene	7.976	164	14949	4.591	ug/L	98
48) 2-Hexanone	8.146	43	19852	12.748	ug/L	93
49) Dibromochloromethane	8.246	129	17318	4.938	ug/L	98
50) 1,2-Dibromoethane	8.355	107	17217	6.170	ug/L #	97
51) Chlorobenzene	8.879	112	55433	5.441	ug/L	99
52) Ethylbenzene	9.011	91	90360	5.583	ug/L	97
53) m,p-Xylene	9.140	106	34615	5.434	ug/L	95
54) o-Xylene	9.542	106	31897	5.279	ug/L	98
55) Styrene	9.561	104	54862	5.282	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	19825	6.228	ug/L	99
59) Bromoform	9.731	173	8837	4.741	ug/L	99
60) Isopropylbenzene	9.931	105	88421	6.118	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	17959	8.067	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	71520	5.940	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	70142	5.675	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	40829	5.470	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	42056	5.537	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	38074	5.557	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	3287	6.224	ug/L	99
69) 1,3,5-Trichlorobenzene	12.645	180	29261	5.064	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	25563	5.367	ug/L	98
71) Naphthalene	13.500	128	60860	6.698	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	23901	5.546	ug/L	99

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

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