

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035531.D
 Acq On : 06 May 2024 12:20
 Operator : SY/MD
 Sample : VSTD00555
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005255

Quant Time: May 07 02:36:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 02:35:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	450258	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	474012	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	264387	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	40783	5.860	ug/L	0.00
7) Chloroethane-d5	1.529	69	34208	6.093	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	63	67395	5.009	ug/L	0.00
21) 2-Butanone-d5	3.828	46	18	0.009	ug/L	0.00
24) Chloroform-d	4.243	84	80922	6.045	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	39285	5.937	ug/L	0.00
32) Benzene-d6	4.957	84	148439	5.721	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	50927	6.360	ug/L	0.00
41) Toluene-d8	7.243	98	131130	5.678	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	19341	5.648	ug/L	0.00
47) 2-Hexanone-d5	8.043	63	11770	8.175	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.153	84	43893	5.688	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	52843	5.759	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.102	85	15960	1.743	ug/L	96
3) Chloromethane	1.211	50	11414	1.242	ug/L	98
5) Vinyl chloride	1.278	62	13144	1.384	ug/L	97
6) Bromomethane	1.484	94	8160	1.357	ug/L	100
8) Chloroethane	1.545	64	10968	1.874	ug/L	98
9) Trichlorofluoromethane	1.709	101	31227	2.520	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	25115	3.212	ug/L	98
12) 1,1-Dichloroethene	2.063	96	15704	2.223	ug/L #	45
13) Acetone	2.391	43	11583	4.010	ug/L	71
15) Methyl Acetate	2.391	43	11972	2.739	ug/L #	89
16) Methylene chloride	2.439	84	41586	4.005	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	15665	1.998	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	69620	3.681	ug/L	99
19) 1,1-Dichloroethane	3.105	63	52188	3.550	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	25446	2.994	ug/L	97
23) Bromochloromethane	4.150	128	12780	3.109	ug/L	96
25) Chloroform	4.272	83	59827	3.941	ug/L	97
27) 1,2-Dichloroethane	5.047	62	31662	3.350	ug/L	98
29) Cyclohexane	4.574	56	14220	1.254	ug/L	93
30) 1,1,1-Trichloroethane	4.507	97	46807	3.561	ug/L	98
31) Carbon tetrachloride	4.728	117	37130	3.220	ug/L	98
33) Benzene	5.008	78	87563	2.791	ug/L	100
34) Trichloroethene	5.834	95	26684	3.007	ug/L	97
35) Methylcyclohexane	6.043	83	17644	1.310	ug/L	94
37) 1,2-Dichloropropane	6.095	63	29786	3.639	ug/L	98
38) Bromodichloromethane	6.432	83	45756	4.127	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	42839	3.346	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	33698	7.062	ug/L	91
42) Toluene	7.317	91	98285	2.960	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	40333	3.602	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	29504	4.242	ug/L	99
46) Tetrachloroethene	7.905	164	20483	2.841	ug/L	94

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

48) 2-Hexanone	8.092	43	22385	6.237	ug/L	92
49) Dibromochloromethane	8.175	129	33862	4.315	ug/L	100
50) 1,2-Dibromoethane	8.284	107	25123	3.667	ug/L #	99
51) Chlorobenzene	8.812	112	88599	3.846	ug/L	99
52) Ethylbenzene	8.947	91	121146	3.305	ug/L	100
53) m,p-Xylene	9.072	106	44573	3.205	ug/L	97
54) o-Xylene	9.477	106	42773	3.245	ug/L	98
55) Styrene	9.497	104	78155	3.400	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	38110	4.499	ug/L	98
59) Bromoform	9.667	173	23079	4.442	ug/L	100
60) Isopropylbenzene	9.866	105	126881	3.603	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	28076	4.532	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	97511	3.529	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	97792	3.444	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	79433	4.298	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	85235	4.455	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	76222	4.381	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	6388	4.446	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	63210	4.377	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	47765	3.961	ug/L	98
71) Naphthalene	13.439	128	68725	3.246	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	41137	3.792	ug/L	97

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

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