

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036296.D
 Acq On : 27 Jun 2024 08:05
 Operator : SY/MD
 Sample : VSTD2.576
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5276

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

Quant Time: Jun 28 00:02:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:02:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	395025	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	396014	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	188667	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	18011	2.685	ug/L	0.00
7) Chloroethane-d5	1.526	69	15414	2.877	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	8496	2.694	ug/L	0.00
21) 2-Butanone-d5	3.918	46	7424m	4.937	ug/L	0.08
24) Chloroform-d	4.246	84	32757	2.809	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	16463	2.648	ug/L	0.00
32) Benzene-d6	4.957	84	60521	2.707	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	18127	2.431	ug/L	0.00
41) Toluene-d8	7.246	98	49904	2.476	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	7050	2.348	ug/L	0.01
47) 2-Hexanone-d5	8.059	63	3937m	3.654	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.152	84	15176	2.753	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	19577	2.847	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	19693	2.624	ug/L	96
3) Chloromethane	1.211	50	18008	2.651	ug/L	98
5) Vinyl chloride	1.275	62	20569	2.622	ug/L	100
6) Bromomethane	1.481	94	14208	2.693	ug/L	99
8) Chloroethane	1.542	64	12798	2.647	ug/L	97
9) Trichlorofluoromethane	1.706	101	30288	2.703	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	18453	2.626	ug/L	100
12) 1,1-Dichloroethene	2.060	96	15941	2.562	ug/L	94
13) Acetone	2.156	43	12876m	6.621	ug/L	
14) Carbon disulfide	2.230	76	51752	2.636	ug/L	99
15) Methyl Acetate	2.391	43	7010m	2.505	ug/L	
16) Methylene chloride	2.439	84	26380	3.392	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	16058	2.599	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	33110	2.302	ug/L	98
19) 1,1-Dichloroethane	3.105	63	28439	2.589	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	15017	2.417	ug/L	94
22) 2-Butanone	3.969	43	7825m	5.025	ug/L	
23) Bromochloromethane	4.150	128	8479	2.617	ug/L	94
25) Chloroform	4.272	83	30457	2.600	ug/L	95
27) 1,2-Dichloroethane	5.050	62	18444	2.431	ug/L	96
29) Cyclohexane	4.574	56	19039	2.257	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	25984	2.646	ug/L	99
31) Carbon tetrachloride	4.728	117	23302	2.663	ug/L	99
33) Benzene	5.008	78	58477	2.493	ug/L	100
34) Trichloroethene	5.834	95	18929	2.557	ug/L	99
35) Methylcyclohexane	6.047	83	22664	2.197	ug/L	94
37) 1,2-Dichloropropane	6.095	63	14202	2.371	ug/L #	94
38) Bromodichloromethane	6.432	83	20354	2.484	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	20466	2.222	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	14255m	4.232	ug/L	
42) Toluene	7.317	91	54959	2.241	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	17878	2.158	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	12802	2.418	ug/L	96
46) Tetrachloroethene	7.905	164	13622	2.532	ug/L	97
48) 2-Hexanone	8.098	43	11641m	4.351	ug/L	
49) Dibromochloromethane	8.178	129	14099	2.389	ug/L	98
50) 1,2-Dibromoethane	8.288	107	12237	2.346	ug/L	97
51) Chlorobenzene	8.812	112	41914	2.500	ug/L	97
52) Ethylbenzene	8.947	91	58382	2.206	ug/L	97
53) m,p-Xylene	9.075	106	19129	1.939	ug/L	98
54) o-Xylene	9.477	106	18339	1.977	ug/L	97
55) Styrene	9.500	104	29956	1.843	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	11752	2.480	ug/L	96
59) Bromoform	9.667	173	8930	2.500	ug/L	98
60) Isopropylbenzene	9.866	105	51561	2.261	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	11230	2.638	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	34427	2.109	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	36059	2.033	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	28942	2.435	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	34015	2.670	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	27661	2.438	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	2321	2.430	ug/L	83
69) 1,3,5-Trichlorobenzene	12.583	180	20717	2.315	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	14927	2.092	ug/L	99
71) Naphthalene	13.442	128	25677	2.018	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	14443	2.152	ug/L	97

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

