

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082224\
 Data File : VW036998.D
 Acq On : 22 Aug 2024 09:15
 Operator : SY/MD
 Sample : VSTD00560
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005260

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 04:45:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	680894	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	635916	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	304739	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59797	6.268	ug/L	0.00
7) Chloroethane-d5	1.532	69	48143	5.899	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	27244	5.928	ug/L	0.00
21) 2-Butanone-d5	3.870	46	19803m	11.402	ug/L	0.02
24) Chloroform-d	4.249	84	103249	5.381	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	49471	5.605	ug/L	0.00
32) Benzene-d6	4.956	84	209357	5.494	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	63481	5.274	ug/L	0.00
41) Toluene-d8	7.243	98	185808	5.350	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	21453	5.330	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	9728m	9.836	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.149	84	34305	5.371	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.557	152	57254	5.249	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	59190	5.566	ug/L	99
3) Chloromethane	1.217	50	68183	5.538	ug/L	99
5) Vinyl chloride	1.281	62	63954	5.245	ug/L	100
6) Bromomethane	1.487	94	40375	5.206	ug/L	99
8) Chloroethane	1.548	64	40407	5.246	ug/L	99
9) Trichlorofluoromethane	1.712	101	82835	5.145	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	50632	5.103	ug/L	99
12) 1,1-Dichloroethene	2.069	96	47342	5.123	ug/L	95
13) Acetone	2.162	43	21746m	11.479	ug/L	
14) Carbon disulfide	2.236	76	158320	5.174	ug/L	97
15) Methyl Acetate	2.387	43	18233	5.388	ug/L	95
16) Methylene chloride	2.445	84	79989	5.906	ug/L	94
17) trans-1,2-Dichloroethene	2.690	96	52285	5.169	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	111185	5.305	ug/L	99
19) 1,1-Dichloroethane	3.104	63	102461	5.203	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	55085	5.077	ug/L	96
22) 2-Butanone	3.944	43	22598m	13.508	ug/L	
23) Bromochloromethane	4.146	128	22170	5.149	ug/L	98
25) Chloroform	4.272	83	100874	5.241	ug/L	98
27) 1,2-Dichloroethane	5.043	62	52429	4.981	ug/L	98
29) Cyclohexane	4.574	56	80450	4.877	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	79905	4.983	ug/L	99
31) Carbon tetrachloride	4.728	117	66657	4.925	ug/L	100
33) Benzene	5.005	78	212322	5.122	ug/L	100
34) Trichloroethene	5.831	95	57531	4.916	ug/L	98
35) Methylcyclohexane	6.043	83	87651	4.844	ug/L	99
37) 1,2-Dichloropropane	6.091	63	49476	4.940	ug/L	99
38) Bromodichloromethane	6.432	83	62743	5.044	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	68051	4.627	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	42214	10.008	ug/L	96
42) Toluene	7.313	91	212900	4.902	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	51940	4.668	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	34668	5.275	ug/L	98
46) Tetrachloroethene	7.902	164	42560	5.144	ug/L	95
48) 2-Hexanone	8.098	43	34143m	11.628	ug/L	
49) Dibromochloromethane	8.175	129	36353	5.028	ug/L	100
50) 1,2-Dibromoethane	8.284	107	30183	5.089	ug/L	98
51) Chlorobenzene	8.812	112	139680	5.036	ug/L	100
52) Ethylbenzene	8.943	91	239036	4.881	ug/L	99
53) m,p-Xylene	9.069	106	87944	4.833	ug/L	98
54) o-Xylene	9.474	106	84729	4.875	ug/L	100
55) Styrene	9.493	104	136214	4.748	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	32142	5.283	ug/L	95
59) Bromoform	9.667	173	16438	4.763	ug/L	96
60) Isopropylbenzene	9.863	105	234740	4.885	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	25567	5.203	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	187709	4.772	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	181782	4.741	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	102898	5.011	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	106688	5.201	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	89404	5.025	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	4568	4.749	ug/L	86
69) 1,3,5-Trichlorobenzene	12.580	180	71350	4.986	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	56394	4.924	ug/L	99
71) Naphthalene	13.438	128	82492	4.782	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	47380	4.997	ug/L	97

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

