

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036620.D
 Acq On : 22 Jul 2024 09:20
 Operator : SY/MD
 Sample : VSTD00528
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005228

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/23/2024
 Supervised By :Mahesh Dadoda 07/24/2024

Quant Time: Jul 23 01:26:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:25:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	402490	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	399673	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	225528	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	24239	5.499	ug/L	0.00
7) Chloroethane-d5	1.529	69	21680	5.445	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	13178	5.654	ug/L	0.00
21) 2-Butanone-d5	3.892	46	9995m	10.431	ug/L	0.04
24) Chloroform-d	4.252	84	57002	5.355	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	28198	5.369	ug/L	0.01
32) Benzene-d6	4.960	84	100704	5.316	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	27508	4.882	ug/L	0.00
41) Toluene-d8	7.243	98	93439	5.169	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	12334	5.141	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	6022m	8.467	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	24137	5.131	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	42376	5.383	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	31596	4.629	ug/L	97
3) Chloromethane	1.214	50	23622	4.498	ug/L	97
5) Vinyl chloride	1.278	62	29580	4.555	ug/L	98
6) Bromomethane	1.484	94	24200	4.661	ug/L	99
8) Chloroethane	1.545	64	19145	4.549	ug/L	94
9) Trichlorofluoromethane	1.709	101	52655	4.670	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	33610	4.790	ug/L	99
12) 1,1-Dichloroethene	2.063	96	29718	4.786	ug/L	88
13) Acetone	2.166	43	15506m	9.717	ug/L	
14) Carbon disulfide	2.233	76	74354	4.314	ug/L	100
15) Methyl Acetate	2.394	43	9186	4.711	ug/L #	75
16) Methylene chloride	2.442	84	46379	6.193	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	29528	4.709	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	60803	4.623	ug/L	99
19) 1,1-Dichloroethane	3.108	63	47801	4.859	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	29990	4.579	ug/L	99
22) 2-Butanone	3.966	43	13897m	10.844	ug/L	
23) Bromochloromethane	4.150	128	16676	4.833	ug/L	96
25) Chloroform	4.275	83	57928	4.878	ug/L	99
27) 1,2-Dichloroethane	5.050	62	33476	4.698	ug/L	99
29) Cyclohexane	4.574	56	29514	4.142	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	49092	4.748	ug/L	100
31) Carbon tetrachloride	4.731	117	46272	4.790	ug/L	99
33) Benzene	5.008	78	106161	4.677	ug/L	100
34) Trichloroethene	5.834	95	34877	4.695	ug/L	96
35) Methylcyclohexane	6.043	83	39570	4.001	ug/L	97
37) 1,2-Dichloropropane	6.095	63	23413	4.482	ug/L #	94
38) Bromodichloromethane	6.436	83	41114	4.827	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	34308	3.887	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	21228m	8.918	ug/L	
42) Toluene	7.317	91	110284	4.387	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	32932	4.311	ug/L	97

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

45) 1,1,2-Trichloroethane	7.770	97	24634	4.835	ug/L	96
46) Tetrachloroethene	7.905	164	36839	4.998	ug/L	99
48) 2-Hexanone	8.095	43	16325m	8.800	ug/L	
49) Dibromochloromethane	8.175	129	30761	4.793	ug/L	96
50) 1,2-Dibromoethane	8.288	107	23428	4.577	ug/L	97
51) Chlorobenzene	8.812	112	86723	4.764	ug/L	100
52) Ethylbenzene	8.947	91	117569	4.252	ug/L	98
53) m,p-Xylene	9.072	106	44108	4.085	ug/L	98
54) o-Xylene	9.477	106	43923	4.234	ug/L	99
55) Styrene	9.497	104	70356	4.000	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	22780	4.935	ug/L	99
59) Bromoform	9.667	173	19876	4.680	ug/L	98
60) Isopropylbenzene	9.863	105	117344	4.252	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	19256	4.843	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	78853	3.663	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	84053	3.857	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	71511	4.635	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	76899	4.840	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	69193	4.823	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	4536	4.845	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	56000	4.601	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	43462	4.396	ug/L	99
71) Naphthalene	13.439	128	56847m	3.927	ug/L	
72) 1,2,3-Trichlorobenzene	13.676	180	39125	4.386	ug/L	98

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

