

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121024\
 Data File : VW031201.D
 Acq On : 10 Dec 2024 19:06
 Operator : SY/MD
 Sample : P5153-19MSD
 Misc : 5.99g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E28Q4MSD

Quant Time: Dec 11 00:34:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 11 00:26:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2024
 Supervised By :Semsettin Yesilyurt 12/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.831	114	384156	25.000	ug/L	#-0.01
28) Chlorobenzene-d5	11.629	117	211130	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	43386	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.344	65	89383	15.119	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.480%
7) Chloroethane-d5	2.832	69	33939	7.400	ug/L	-0.06
Spiked Amount	25.000	Range	30 - 150	Recovery	=	29.600%#
11) 1,1-Dichloroethene-d2	4.027	65	316	0.117	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.480%#
21) 2-Butanone-d5	7.234	46	50344m	48.693	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.380%
24) Chloroform-d	7.630	84	139440m	12.393	ug/L	-0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	49.560%
26) 1,2-Dichloroethane-d4	8.289	65	105804	19.110	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.440%
32) Benzene-d6	8.234	84	362878	27.964	ug/L	-0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.840%
36) 1,2-Dichloropropane-d6	9.264	67	131459	34.584	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.320%#
41) Toluene-d8	10.313	98	262996	22.458	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.840%
43) trans-1,3-Dichloroprop...	10.575	79	34937	22.830	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.320%
47) 2-Hexanone-d5	10.947	63	18619	41.809	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.620%
56) 1,1,2,2-Tetrachloroeth...	12.696	84	38793	15.122	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	60.480%
66) 1,2-Dichlorobenzene-d4	13.849	152	27343	17.743	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.960%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	83012	17.112	ug/L	98
3) Chloromethane	2.204	50	121969	21.318	ug/L	99
5) Vinyl chloride	2.357	62	97919	14.247	ug/L	99
6) Bromomethane	2.753	94	35968	8.230	ug/L	100
8) Chloroethane	2.857	64	33649m	8.185	ug/L	
9) Trichlorofluoromethane	3.113	101	32512m	4.496	ug/L	
15) Methyl Acetate	4.667	43	136100m	69.680	ug/L	
16) Methylene chloride	4.771	84	67806m	12.195	ug/L	
17) trans-1,2-Dichloroethene	5.277	96	45270m	7.806	ug/L	
18) Methyl tert-butyl Ether	5.496	73	56890m	7.012	ug/L	
19) 1,1-Dichloroethane	6.124	63	122700m	11.503	ug/L	
20) cis-1,2-Dichloroethene	7.124	96	41573	6.825	ug/L	83
22) 2-Butanone	7.325	43	62054m	35.473	ug/L	
23) Bromochloromethane	7.478	128	22223m	8.592	ug/L	
25) Chloroform	7.667	83	100892	9.094	ug/L	90
27) 1,2-Dichloroethane	8.386	62	101571	14.863	ug/L	98
29) Cyclohexane	7.880	56	75927	14.287	ug/L	86
30) 1,1,1-Trichloroethane	7.825	97	90873	15.979	ug/L #	93
31) Carbon tetrachloride	8.020	117	78728	15.150	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	8.289	78	358372	25.101	ug/L	100
34) Trichloroethene	9.069	95	76866	19.518	ug/L	90
35) Methylcyclohexane	9.301	83	110543	17.639	ug/L #	89
37) 1,2-Dichloropropane	9.355	63	86587	24.380	ug/L #	90
38) Bromodichloromethane	9.642	83	83964	18.061	ug/L #	89
39) cis-1,3-Dichloropropene	10.069	75	95516	17.812	ug/L	97
40) 4-Methyl-2-pentanone	10.239	43	51068	32.110	ug/L #	80
42) Toluene	10.374	91	588830	39.151	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	68430	15.522	ug/L	91
45) 1,1,2-Trichloroethane	10.788	97	42313	17.335	ug/L	89
46) Tetrachloroethene	10.849	164	40728	13.950	ug/L	90
48) 2-Hexanone	10.989	43	42790m	29.738	ug/L	
49) Dibromochloromethane	11.129	129	34154	12.702	ug/L	85
50) 1,2-Dibromoethane	11.233	107	36026	15.794	ug/L #	86
51) Chlorobenzene	11.654	112	125442	13.066	ug/L	91
52) Ethylbenzene	11.727	91	235991	13.847	ug/L	94
53) m,p-Xylene	11.831	106	95706	15.088	ug/L	90
54) o-Xylene	12.160	106	75995	12.878	ug/L	86
55) Styrene	12.178	104	111009	11.175	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.721	83	28186	10.660	ug/L #	96
59) Bromoform	12.349	173	11723m	18.491	ug/L	
60) Isopropylbenzene	12.459	105	150161	21.440	ug/L #	94
61) 1,2,3-Trichloropropane	12.769	75	26338	32.489	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	92175	16.713	ug/L	93
63) 1,2,4-Trimethylbenzene	13.245	105	91066	16.809	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	39825	13.039	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	43791	14.194	ug/L #	75
67) 1,2-Dichlorobenzene	13.861	146	36905	13.813	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.483	75	3146	17.872	ug/L #	56
69) 1,3,5-Trichlorobenzene	14.623	180	14506	6.990	ug/L	96
70) 1,2,4-trichlorobenzene	15.123	180	8509	5.229	ug/L	94
71) Naphthalene	15.360	128	20394	7.779	ug/L	94
72) 1,2,3-Trichlorobenzene	15.543	180	5299	3.804	ug/L #	83

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

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