

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051922\
 Data File : VW023183.D
 Acq On : 19 May 2022 19:21
 Operator : SY/VA
 Sample : N2929-03MSD
 Misc : 6.80g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBTF7MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: May 20 01:54:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 20 01:47:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.829	114	415972	25.000	ug/L	-0.01
28) Chlorobenzene-d5	11.622	117	294912	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	101525	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	120171	14.081	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.320%
7) Chloroethane-d5	2.782	69	43855	7.899	ug/L	-0.10
Spiked Amount	25.000	Range	30 - 150	Recovery	=	31.600%
11) 1,1-Dichloroethene-d2	3.696	63	142869m	12.956	ug/L	-0.32
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.840%
21) 2-Butanone-d5	7.183	46	41675m	25.683	ug/L	0.11
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.360%
24) Chloroform-d	7.671	84	208832m	17.136	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	68.560%
26) 1,2-Dichloroethane-d4	8.299	65	131922m	19.737	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.960%
32) Benzene-d6	8.250	84	486171	28.601	ug/L	-0.02
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.400%
36) 1,2-Dichloropropane-d6	9.262	67	146731	30.729	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.920%#
41) Toluene-d8	10.311	98	491979	29.961	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	119.840%
43) trans-1,3-Dichloroprop...	10.567	79	36689	16.688	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.760%
47) 2-Hexanone-d5	10.945	63	26759m	29.356	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.720%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	46080	10.354	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	41.400%#
66) 1,2-Dichlorobenzene-d4	13.853	152	72405	20.402	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.989	85	82874	36.547	ug/L	96
3) Chloromethane	2.215	50	148965	33.996	ug/L	100
5) Vinyl chloride	2.355	62	117586	13.371	ug/L	99
6) Bromomethane	2.696	94	67460m	11.948	ug/L	
8) Chloroethane	2.806	64	29903m	7.050	ug/L	
9) Trichlorofluoromethane	3.062	101	4774m	1.188	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.714	101	26853m	4.468	ug/L	
12) 1,1-Dichloroethene	3.708	96	31439m	5.901	ug/L	
14) Carbon disulfide	3.964	76	41195m	2.820	ug/L	
15) Methyl Acetate	4.806	43	184893m	75.756	ug/L	
16) Methylene chloride	4.531	84	33494m	5.503	ug/L	
17) trans-1,2-Dichloroethene	4.995	96	120199m	20.048	ug/L	
18) Methyl tert-butyl Ether	5.495	73	61240m	6.691	ug/L	
19) 1,1-Dichloroethane	6.055	63	116188m	11.434	ug/L	
20) cis-1,2-Dichloroethene	7.141	96	112203m	17.424	ug/L	
22) 2-Butanone	7.269	43	46506m	27.373	ug/L	
23) Bromochloromethane	7.494	128	48716m	16.153	ug/L	
25) Chloroform	7.695	83	168358	14.984	ug/L	96
27) 1,2-Dichloroethane	8.390	62	122576m	16.366	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.891	56	117093m	18.359	ug/L	
30) 1,1,1-Trichloroethane	7.848	97	94165	13.511	ug/L #	85
31) Carbon tetrachloride	8.037	117	81350	12.478	ug/L	96
33) Benzene	8.305	78	443045	25.501	ug/L	100
34) Trichloroethene	9.079	95	119426	24.995	ug/L	88
35) Methylcyclohexane	9.311	83	130526m	16.629	ug/L	
37) 1,2-Dichloropropane	9.360	63	91436	21.748	ug/L #	95
38) Bromodichloromethane	9.646	83	93845	15.715	ug/L	94
39) cis-1,3-Dichloropropene	10.067	75	114249	17.525	ug/L	99
40) 4-Methyl-2-pentanone	10.219	43	67964m	25.647	ug/L	
42) Toluene	10.378	91	499373	25.648	ug/L	95
44) trans-1,3-Dichloropropene	10.597	75	79232	13.617	ug/L	100
45) 1,1,2-Trichloroethane	10.780	97	63208	17.984	ug/L	97
46) Tetrachloroethene	10.853	164	136514	38.020	ug/L	90
48) 2-Hexanone	10.969	43	49457m	27.933	ug/L	
49) Dibromochloromethane	11.122	129	48411	11.444	ug/L	100
50) 1,2-Dibromoethane	11.231	107	56537	16.020	ug/L	89
51) Chlorobenzene	11.646	112	258014	20.101	ug/L	95
52) Ethylbenzene	11.725	91	496635	22.928	ug/L	100
53) m,p-Xylene	11.835	106	194774	22.821	ug/L	97
54) o-Xylene	12.158	106	169130	20.650	ug/L	92
55) Styrene	12.176	104	239067	17.178	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.719	83	36892	8.404	ug/L	98
59) Bromoform	12.347	173	17221	11.969	ug/L #	75
60) Isopropylbenzene	12.457	105	513204	36.899	ug/L #	88
61) 1,2,3-Trichloropropane	12.774	75	36594	18.039	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	229366	29.642	ug/L	97
63) 1,2,4-Trimethylbenzene	13.243	105	320615	27.595	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	142179	22.896	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	126253	19.684	ug/L	91
67) 1,2-Dichlorobenzene	13.865	146	92804	16.332	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	4048	9.131	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.621	180	71231	17.281	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	36722	11.075	ug/L	98
71) Naphthalene	15.359	128	52215	7.245	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	22711	7.728	ug/L	98

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

