

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091924\
 Data File : VY019624.D
 Acq On : 19 Sep 2024 11:10
 Operator : SY/MD
 Sample : VY0919SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/20/2024
 Supervised By :Semsettin Yesilyurt 09/20/2024

Quant Time: Sep 20 01:26:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	376293	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	648787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	249281	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174034	49.947	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.900%
35) Dibromofluoromethane	7.634	113	177027	48.125	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.240%
50) Toluene-d8	10.109	98	657132	48.297	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.408	95	227799	43.543	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	49525	21.767	ug/l	93
3) Chloromethane	2.068	50	60612	19.469	ug/l	97
4) Vinyl Chloride	2.202	62	69977	20.786	ug/l	98
5) Bromomethane	2.592	94	48150	23.285	ug/l	94
6) Chloroethane	2.733	64	48236	21.918	ug/l	100
7) Trichlorofluoromethane	3.056	101	118381	21.095	ug/l	96
8) Diethyl Ether	3.452	74	34142	18.125	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.812	101	69188	19.930	ug/l	96
10) Methyl Iodide	4.001	142	73497	16.513	ug/l	93
11) Tert butyl alcohol	4.842	59	36267	128.884	ug/l	99
12) 1,1-Dichloroethene	3.787	96	60978	18.265	ug/l	84
13) Acrolein	3.647	56	15950	109.700	ug/l	96
14) Allyl chloride	4.379	41	108540	18.129	ug/l #	92
15) Acrylonitrile	5.055	53	75975	93.540	ug/l	100
16) Acetone	3.867	43	90220	108.685	ug/l #	85
17) Carbon Disulfide	4.104	76	147948	16.402	ug/l #	95
18) Methyl Acetate	4.385	43	36343	16.133	ug/l	93
19) Methyl tert-butyl Ether	5.110	73	176683	18.686	ug/l	97
20) Methylene Chloride	4.610	84	73746	19.480	ug/l	90
21) trans-1,2-Dichloroethene	5.110	96	67881	18.550	ug/l	90
22) Diisopropyl ether	6.013	45	233028	18.954	ug/l	92
23) Vinyl Acetate	5.958	43	655472	93.340	ug/l	94
24) 1,1-Dichloroethane	5.909	63	134830	19.544	ug/l	98
25) 2-Butanone	6.890	43	120248	101.852	ug/l #	87
26) 2,2-Dichloropropane	6.878	77	130726	21.007	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	85597	19.257	ug/l	86
28) Bromochloromethane	7.238	49	56328	19.405	ug/l	84
29) Tetrahydrofuran	7.256	42	64738	90.185	ug/l	87
30) Chloroform	7.415	83	142061	20.171	ug/l	95
31) Cyclohexane	7.695	56	112222	17.996	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	127349	20.174	ug/l	97
36) 1,1-Dichloropropene	7.835	75	93942	18.768	ug/l	97
37) Ethyl Acetate	6.976	43	45181	17.617	ug/l	98
38) Carbon Tetrachloride	7.811	117	110074	19.501	ug/l	98
39) Methylcyclohexane	9.110	83	118685	17.818	ug/l	90
40) Benzene	8.079	78	289952	18.807	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	22671	15.165	ug/l	94
42) 1,2-Dichloroethane	8.152	62	80906	19.503	ug/l	96
43) Isopropyl Acetate	8.195	43	95013	17.634	ug/l #	82
44) Trichloroethene	8.866	130	74005	18.665	ug/l	95
45) 1,2-Dichloropropane	9.140	63	71192	18.889	ug/l	99
46) Dibromomethane	9.231	93	38990	18.917	ug/l	94
47) Bromodichloromethane	9.427	83	107554	19.413	ug/l	100
48) Methyl methacrylate	9.219	41	42363	16.649	ug/l	86
49) 1,4-Dioxane	9.231	88	8541	352.008	ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	240926	88.879	ug/l	92
52) Toluene	10.170	92	190352	19.198	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	95408	18.065	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	111781	18.176	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	53641	18.846	ug/l	96
56) Ethyl methacrylate	10.439	69	74172	17.155	ug/l #	81
57) 1,3-Dichloropropane	10.719	76	92068	18.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	178556	88.977	ug/l	97
59) 2-Hexanone	10.762	43	177381	89.257	ug/l	89
60) Dibromochloromethane	10.914	129	69264	18.396	ug/l	99
61) 1,2-Dibromoethane	11.012	107	48962	18.462	ug/l	100
64) Tetrachloroethene	10.646	164	62653	18.757	ug/l	93
65) Chlorobenzene	11.444	112	207154	19.524	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	71046	19.339	ug/l	99
67) Ethyl Benzene	11.518	91	371115	19.685	ug/l	100
68) m/p-Xylenes	11.627	106	275022	38.580	ug/l	93
69) o-Xylene	11.957	106	131507	18.863	ug/l	91
70) Styrene	11.969	104	222809	18.929	ug/l	96
71) Bromoform	12.133	173	36303	17.301	ug/l #	99
73) Isopropylbenzene	12.255	105	362143	20.025	ug/l	100
74) N-amyl acetate	12.072	43	84984	17.279	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	62225	19.385	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	45758m	19.584	ug/l	
77) Bromobenzene	12.530	156	75954	18.937	ug/l	89
78) n-propylbenzene	12.597	91	434072	20.250	ug/l	99
79) 2-Chlorotoluene	12.682	91	246940	19.768	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	289411	19.685	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	20165	16.568	ug/l	89
82) 4-Chlorotoluene	12.780	91	252147	19.634	ug/l	96
83) tert-Butylbenzene	12.999	119	271169	20.374	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	286107	19.660	ug/l	98
85) sec-Butylbenzene	13.176	105	397454	20.556	ug/l	98
86) p-Isopropyltoluene	13.292	119	319053	20.168	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	154465	19.819	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	153201	19.807	ug/l	95
89) n-Butylbenzene	13.621	91	301775	19.954	ug/l	99
90) Hexachloroethane	13.877	117	64131	19.483	ug/l	88
91) 1,2-Dichlorobenzene	13.658	146	134259	19.304	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9558	17.866	ug/l	78
93) 1,2,4-Trichlorobenzene	14.919	180	68828	16.272	ug/l	97
94) Hexachlorobutadiene	15.023	225	39608	17.528	ug/l	99
95) Naphthalene	15.145	128	130067	15.355	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	57077	15.775	ug/l	97

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

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

