

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015649.D
 Acq On : 20 Sep 2023 10:57
 Operator : SY/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

Quant Time: Sep 21 03:37:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	229374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72164	46.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.160%		
35) Dibromofluoromethane	7.716	113	68422	46.601	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.200%		
50) Toluene-d8	10.179	98	215531	43.294	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.580%		
62) 4-Bromofluorobenzene	12.483	95	88146	45.119	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	15184	16.359	ug/l	92
3) Chloromethane	2.113	50	21614	18.459	ug/l	99
4) Vinyl Chloride	2.247	62	23093	17.249	ug/l	98
5) Bromomethane	2.644	94	18992	16.709	ug/l	97
6) Chloroethane	2.784	64	18768	18.913	ug/l	97
7) Trichlorofluoromethane	3.119	101	40060	17.842	ug/l	100
8) Diethyl Ether	3.534	74	18542	19.365	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	24426	17.375	ug/l	93
10) Methyl Iodide	4.082	142	23841	16.363	ug/l	97
11) Tert butyl alcohol	4.979	59	35349	75.218	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	21860	17.646	ug/l	85
13) Acrolein	3.735	56	21261	89.607	ug/l	98
14) Allyl chloride	4.473	41	41353	18.258	ug/l	93
15) Acrylonitrile	5.168	53	65631	93.439	ug/l	98
16) Acetone	3.960	43	82656	99.693	ug/l #	87
17) Carbon Disulfide	4.192	76	39307	16.333	ug/l	97
18) Methyl Acetate	4.485	43	49675	17.857	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	97958	19.415	ug/l	98
20) Methylene Chloride	4.710	84	44467	21.756	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	26547	18.749	ug/l	88
22) Diisopropyl ether	6.119	45	106746	19.584	ug/l	94
23) Vinyl Acetate	6.058	43	324366	96.411	ug/l	97
24) 1,1-Dichloroethane	6.015	63	56064	18.870	ug/l	96
25) 2-Butanone	6.990	43	112362	95.879	ug/l	98
26) 2,2-Dichloropropane	6.978	77	48022	17.684	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	35424	18.845	ug/l	97
28) Bromochloromethane	7.332	49	16147	20.032	ug/l	98
29) Tetrahydrofuran	7.350	42	59999	90.581	ug/l	94
30) Chloroform	7.509	83	61608	19.363	ug/l	95
31) Cyclohexane	7.783	56	36329	16.927	ug/l #	90
32) 1,1,1-Trichloroethane	7.704	97	48497	18.464	ug/l	99
36) 1,1-Dichloropropene	7.917	75	37162	17.118	ug/l	98
37) Ethyl Acetate	7.076	43	40273	18.598	ug/l	98
38) Carbon Tetrachloride	7.899	117	40712	17.277	ug/l	95
39) Methylcyclohexane	9.185	83	38213	15.915	ug/l	94
40) Benzene	8.161	78	121240	18.313	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18467	15.839	ug/l	95
42) 1,2-Dichloroethane	8.234	62	43031	18.979	ug/l	95
43) Isopropyl Acetate	8.271	43	68699	18.573	ug/l	98
44) Trichloroethene	8.935	130	33936	18.353	ug/l	97
45) 1,2-Dichloropropane	9.216	63	35436	19.194	ug/l	98
46) Dibromomethane	9.301	93	21632	18.317	ug/l	96
47) Bromodichloromethane	9.496	83	49761	18.904	ug/l	97
48) Methyl methacrylate	9.295	41	30011	18.485	ug/l	92
49) 1,4-Dioxane	9.313	88	8260	354.037	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	211886	92.420	ug/l	94
52) Toluene	10.246	92	76909	18.020	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	52119	18.463	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	55838	18.377	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	32580	18.825	ug/l	99
56) Ethyl methacrylate	10.508	69	46609	18.275	ug/l	91
57) 1,3-Dichloropropane	10.788	76	54781	18.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	86118	106.300	ug/l	96
59) 2-Hexanone	10.831	43	166138	94.454	ug/l	93
60) Dibromochloromethane	10.984	129	38653	19.133	ug/l	98
61) 1,2-Dibromoethane	11.087	107	31423	18.559	ug/l	99
64) Tetrachloroethene	10.721	164	35110	17.841	ug/l	98
65) Chlorobenzene	11.514	112	90326	18.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	36537	18.787	ug/l	98
67) Ethyl Benzene	11.593	91	154454	17.649	ug/l	98
68) m/p-Xylenes	11.703	106	120360	36.185	ug/l	94
69) o-Xylene	12.032	106	60123	18.433	ug/l	95
70) Styrene	12.044	104	102452	18.351	ug/l	96
71) Bromoform	12.209	173	26082	18.507	ug/l #	99
73) Isopropylbenzene	12.331	105	154828	17.604	ug/l	99
74) N-amyl acetate	12.142	43	59040	17.861	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	44334	18.112	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	34644m	18.523	ug/l	
77) Bromobenzene	12.611	156	38936	18.035	ug/l	95
78) n-propylbenzene	12.672	91	185736	17.383	ug/l	99
79) 2-Chlorotoluene	12.758	91	108314	17.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	131196	17.819	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13997	16.852	ug/l	99
82) 4-Chlorotoluene	12.855	91	113692	17.882	ug/l	99
83) tert-Butylbenzene	13.075	119	112770	17.487	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	132411	17.973	ug/l	99
85) sec-Butylbenzene	13.251	105	167505	17.357	ug/l	98
86) p-Isopropyltoluene	13.367	119	139689	17.328	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	77450	18.083	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	78259	18.270	ug/l	97
89) n-Butylbenzene	13.696	91	133747	17.521	ug/l	98
90) Hexachloroethane	13.959	117	26983	17.343	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	72861	18.429	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8280	17.032	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	45018	18.087	ug/l	99
94) Hexachlorobutadiene	15.111	225	22219	17.432	ug/l	99
95) Naphthalene	15.233	128	113175	17.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	41273	17.966	ug/l	98

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

