

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015722.D
 Acq On : 27 Sep 2023 13:26
 Operator : SY/MD
 Sample : VY0927SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0927SBS01

Quant Time: Sep 28 00:44:24 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/28/2023
 Supervised By :Semsettin Yesilyurt 09/28/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	245563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83909	46.525	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.060%		
35) Dibromofluoromethane	7.722	113	73903	45.367	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.740%		
50) Toluene-d8	10.179	98	272977	49.422	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.840%		
62) 4-Bromofluorobenzene	12.483	95	98234	45.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19355	17.914	ug/l	98
3) Chloromethane	2.113	50	23929	17.555	ug/l	95
4) Vinyl Chloride	2.247	62	28412	18.230	ug/l	94
5) Bromomethane	2.656	94	22372	16.886	ug/l	98
6) Chloroethane	2.796	64	19598	16.966	ug/l	94
7) Trichlorofluoromethane	3.119	101	63576	24.324	ug/l	100
8) Diethyl Ether	3.534	74	21069	18.903	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	32808	20.048	ug/l	94
10) Methyl Iodide	4.088	142	27252	16.117	ug/l	96
11) Tert butyl alcohol	4.930	59	22447	Below Cal	#	96
12) 1,1-Dichloroethene	3.863	96	26493	18.372	ug/l	90
13) Acrolein	3.753	56	25676	92.960	ug/l	100
14) Allyl chloride	4.479	41	47563	18.039	ug/l	95
15) Acrylonitrile	5.192	53	91636	112.071	ug/l	98
16) Acetone	4.009	43	119284	123.590	ug/l	94
17) Carbon Disulfide	4.192	76	41606	14.852	ug/l	100
18) Methyl Acetate	4.503	43	67744	20.920	ug/l	94
19) Methyl tert-butyl Ether	5.235	73	115204	19.615	ug/l	99
20) Methylene Chloride	4.716	84	54965	23.432	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	30601	18.565	ug/l	94
22) Diisopropyl ether	6.131	45	121531	19.153	ug/l	97
23) Vinyl Acetate	6.070	43	389933	99.562	ug/l	96
24) 1,1-Dichloroethane	6.015	63	65131	18.832	ug/l	98
25) 2-Butanone	7.015	43	156143	114.456	ug/l	99
26) 2,2-Dichloropropane	6.984	77	60088	19.009	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	41932	19.163	ug/l	95
28) Bromochloromethane	7.338	49	15181	16.179	ug/l	94
29) Tetrahydrofuran	7.374	42	90641	117.552	ug/l	94
30) Chloroform	7.509	83	72013	19.443	ug/l	92
31) Cyclohexane	7.789	56	46240	18.508	ug/l	# 85
32) 1,1,1-Trichloroethane	7.704	97	59939	19.604	ug/l	98
36) 1,1-Dichloropropene	7.917	75	44006	18.270	ug/l	97
37) Ethyl Acetate	7.082	43	57961	24.125	ug/l	96
38) Carbon Tetrachloride	7.899	117	51348	19.640	ug/l	98
39) Methylcyclohexane	9.185	83	50468	18.944	ug/l	96
40) Benzene	8.161	78	139550	18.999	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	25854	19.986	ug/l #	93
42) 1,2-Dichloroethane	8.240	62	49386	19.632	ug/l	94
43) Isopropyl Acetate	8.283	43	88425	21.546	ug/l	98
44) Trichloroethene	8.941	130	42001	20.473	ug/l	97
45) 1,2-Dichloropropane	9.216	63	38907	18.994	ug/l	95
46) Dibromomethane	9.307	93	25555	19.503	ug/l	96
47) Bromodichloromethane	9.496	83	57221	19.592	ug/l	98
48) Methyl methacrylate	9.295	41	37699	20.928	ug/l	89
49) 1,4-Dioxane	9.405	88	13855	535.239	ug/l #	36
51) 4-Methyl-2-Pentanone	10.075	43	296266	116.471	ug/l	95
52) Toluene	10.246	92	92143	19.458	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	61458	19.623	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	64010	18.987	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	39767	20.710	ug/l	97
56) Ethyl methacrylate	10.514	69	58180	20.560	ug/l	89
57) 1,3-Dichloropropane	10.789	76	64120	19.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	77169	85.853	ug/l	95
59) 2-Hexanone	10.837	43	240128	123.045	ug/l	92
60) Dibromochloromethane	10.984	129	45254	20.189	ug/l	99
61) 1,2-Dibromoethane	11.087	107	38238	20.355	ug/l	99
64) Tetrachloroethene	10.721	164	45570	21.629	ug/l	98
65) Chlorobenzene	11.514	112	107352	20.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	42101	20.220	ug/l	98
67) Ethyl Benzene	11.593	91	189839	20.263	ug/l	98
68) m/p-Xylenes	11.703	106	143389	40.266	ug/l	96
69) o-Xylene	12.032	106	69964	20.037	ug/l	99
70) Styrene	12.044	104	122556	20.505	ug/l	96
71) Bromoform	12.209	173	32271	21.388	ug/l #	99
73) Isopropylbenzene	12.331	105	192432	20.093	ug/l	99
74) N-amyl acetate	12.142	43	76893	21.362	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	56572	21.225	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	46343m	22.755	ug/l	
77) Bromobenzene	12.611	156	45937	19.541	ug/l	93
78) n-propylbenzene	12.672	91	226911	19.503	ug/l	100
79) 2-Chlorotoluene	12.758	91	128526	19.380	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	160450	20.012	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18543	20.503	ug/l	98
82) 4-Chlorotoluene	12.855	91	135466	19.567	ug/l	99
83) tert-Butylbenzene	13.075	119	140357	19.988	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	161498	20.132	ug/l	98
85) sec-Butylbenzene	13.251	105	211001	20.079	ug/l	100
86) p-Isopropyltoluene	13.367	119	176128	20.064	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	93870	20.128	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	94871	20.340	ug/l	99
89) n-Butylbenzene	13.697	91	166340	20.011	ug/l	98
90) Hexachloroethane	13.959	117	33118	19.548	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	87999	20.440	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13193	24.923	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	58162	21.460	ug/l	99
94) Hexachlorobutadiene	15.111	225	27858	20.071	ug/l	98
95) Naphthalene	15.233	128	168975	23.910	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	54999	21.986	ug/l	99

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

