

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015822.D
 Acq On : 04 Oct 2023 12:54
 Operator : SY/MD
 Sample : VY1004SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1004SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023

Quant Time: Oct 04 15:54:59 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	7.783	168	205459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	110585	48.918	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.840%		
35) Dibromofluoromethane	7.716	113	99666	49.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.179	98	348443	50.878	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.760%		
62) 4-Bromofluorobenzene	12.477	95	136326	50.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24340	17.972	ug/l	96
3) Chloromethane	2.107	50	29767	17.422	ug/l	97
4) Vinyl Chloride	2.241	62	35900	18.377	ug/l	94
5) Bromomethane	2.644	94	24048	14.762	ug/l	99
6) Chloroethane	2.778	64	24663	17.033	ug/l	99
7) Trichlorofluoromethane	3.107	101	66368	20.258	ug/l	98
8) Diethyl Ether	3.522	74	27706	19.831	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	41336	20.151	ug/l	95
10) Methyl Iodide	4.082	142	35624	16.691	ug/l	99
11) Tert butyl alcohol	4.991	59	75330m	146.043	ug/l	
12) 1,1-Dichloroethene	3.863	96	35205	19.477	ug/l	84
13) Acrolein	3.729	56	21343	61.648	ug/l	97
14) Allyl chloride	4.466	41	60616	18.341	ug/l	95
15) Acrylonitrile	5.155	53	110729	108.039	ug/l	97
16) Acetone	3.960	43	129020	106.647	ug/l	97
17) Carbon Disulfide	4.186	76	56848	16.189	ug/l	100
18) Methyl Acetate	4.473	43	91736	22.600	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	150191	20.401	ug/l	99
20) Methylene Chloride	4.704	84	75373	26.139	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	39091	18.921	ug/l	94
22) Diisopropyl ether	6.112	45	151448	19.042	ug/l	96
23) Vinyl Acetate	6.052	43	470596	95.861	ug/l	96
24) 1,1-Dichloroethane	6.009	63	82636	19.062	ug/l	94
25) 2-Butanone	6.990	43	179067	104.718	ug/l	96
26) 2,2-Dichloropropane	6.978	77	109866	27.728	ug/l	86
27) cis-1,2-Dichloroethene	6.978	96	52801	19.251	ug/l	96
28) Bromochloromethane	7.326	49	25335	21.540	ug/l	96
29) Tetrahydrofuran	7.350	42	106578	110.272	ug/l	93
30) Chloroform	7.502	83	90407	19.474	ug/l	97
31) Cyclohexane	7.777	56	57293	18.295	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	77907	20.328	ug/l	98
36) 1,1-Dichloropropene	7.911	75	57870	19.377	ug/l	100
37) Ethyl Acetate	7.070	43	66927	22.467	ug/l	97
38) Carbon Tetrachloride	7.893	117	66237	20.432	ug/l	98
39) Methylcyclohexane	9.179	83	64620	19.563	ug/l	92
40) Benzene	8.155	78	178871	19.640	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31846	19.855	ug/l	93
42) 1,2-Dichloroethane	8.234	62	67212	21.548	ug/l	93
43) Isopropyl Acetate	8.271	43	108286	21.280	ug/l	95
44) Trichloroethene	8.935	130	52539	20.654	ug/l	98
45) 1,2-Dichloropropane	9.210	63	68364	26.917	ug/l	92
46) Dibromomethane	9.301	93	33935	20.888	ug/l	93
47) Bromodichloromethane	9.496	83	73705	20.353	ug/l	99
48) Methyl methacrylate	9.289	41	50102	22.432	ug/l	89
49) 1,4-Dioxane	9.307	88	16189	504.392	ug/l #	14
51) 4-Methyl-2-Pentanone	10.069	43	353132	111.965	ug/l	93
52) Toluene	10.240	92	124867	21.267	ug/l #	58
53) t-1,3-Dichloropropene	10.465	75	82283	21.189	ug/l	90
54) cis-1,3-Dichloropropene	9.929	75	83219	19.908	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	48634	20.427	ug/l	98
56) Ethyl methacrylate	10.508	69	75129	21.412	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	83376	20.882	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.783	63	76232	68.400	ug/l	94
59) 2-Hexanone	10.831	43	280929	116.098	ug/l	91
60) Dibromochloromethane	10.984	129	57179	20.573	ug/l	99
61) 1,2-Dibromoethane	11.087	107	48328	20.749	ug/l	99
64) Tetrachloroethene	10.721	164	56715	21.575	ug/l	98
65) Chlorobenzene	11.514	112	136967	20.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	54130	20.836	ug/l	99
67) Ethyl Benzene	11.593	91	238561	20.408	ug/l	97
68) m/p-Xylenes	11.703	106	181049	40.748	ug/l	96
69) o-Xylene	12.026	106	91168	20.925	ug/l	97
70) Styrene	12.044	104	157132	21.070	ug/l	97
71) Bromoform	12.209	173	42043	22.333	ug/l #	98
73) Isopropylbenzene	12.331	105	244930	20.911	ug/l	100
74) N-amyl acetate	12.142	43	95647	21.726	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	69543	21.333	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	56911m	22.847	ug/l	
77) Bromobenzene	12.605	156	59061	20.542	ug/l	93
78) n-propylbenzene	12.672	91	291725	20.501	ug/l	99
79) 2-Chlorotoluene	12.758	91	165349	20.385	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	202925	20.694	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	24028	21.722	ug/l	96
82) 4-Chlorotoluene	12.855	91	173490	20.489	ug/l	99
83) tert-Butylbenzene	13.075	119	183183	21.329	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	204690	20.863	ug/l	98
85) sec-Butylbenzene	13.251	105	272345	21.190	ug/l	99
86) p-Isopropyltoluene	13.367	119	229685	21.394	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	118049	20.696	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	120348	21.096	ug/l	98
89) n-Butylbenzene	13.697	91	220040	21.644	ug/l	97
90) Hexachloroethane	13.959	117	43501	20.994	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	111831	21.239	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15593	24.084	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	73635	22.214	ug/l	99
94) Hexachlorobutadiene	15.111	225	38972	22.958	ug/l	98
95) Naphthalene	15.233	128	200822	23.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	68249	22.307	ug/l	99

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

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