

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015799.D
 Acq On : 03 Oct 2023 12:19
 Operator : SY/MD
 Sample : VY1003SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1003SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/04/2023
 Supervised By :Semsettin Yesilyurt 10/04/2023

Quant Time: Oct 04 01:09:32 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	184368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	90436	44.581	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.160%		
35) Dibromofluoromethane	7.715	113	83623	45.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.700%		
50) Toluene-d8	10.178	98	291261	47.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.180%		
62) 4-Bromofluorobenzene	12.483	95	109470	45.104	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22777	18.742	ug/l	92
3) Chloromethane	2.113	50	27814	18.141	ug/l	98
4) Vinyl Chloride	2.247	62	33750	19.253	ug/l	98
5) Bromomethane	2.643	94	24542	16.516	ug/l	95
6) Chloroethane	2.783	64	23815	18.329	ug/l	93
7) Trichlorofluoromethane	3.113	101	60164	20.465	ug/l	100
8) Diethyl Ether	3.527	74	24900	19.861	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	37968	20.627	ug/l	96
10) Methyl Iodide	4.082	142	32648	16.989	ug/l	97
11) Tert butyl alcohol	4.984	59	45817	73.534	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	30999	19.112	ug/l	92
13) Acrolein	3.728	56	20309	65.372	ug/l	100
14) Allyl chloride	4.478	41	55837	18.828	ug/l	92
15) Acrylonitrile	5.167	53	98521	107.124	ug/l	97
16) Acetone	3.960	43	110799	102.063	ug/l	92
17) Carbon Disulfide	4.192	76	54151	17.185	ug/l	97
18) Methyl Acetate	4.484	43	83200	22.842	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	131565	19.915	ug/l	100
20) Methylene Chloride	4.710	84	57996	21.650	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	35379	19.083	ug/l	97
22) Diisopropyl ether	6.124	45	139527	19.550	ug/l #	92
23) Vinyl Acetate	6.063	43	426264	96.763	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	75155	19.319	ug/l	98
25) 2-Butanone	6.990	43	155473	101.321	ug/l	95
26) 2,2-Dichloropropane	6.984	77	62832	17.671	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	46938	19.071	ug/l	95
28) Bromochloromethane	7.331	49	23834	22.582	ug/l	98
29) Tetrahydrofuran	7.356	42	93355	107.640	ug/l	94
30) Chloroform	7.508	83	81407	19.541	ug/l	97
31) Cyclohexane	7.782	56	53890	19.177	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	69315	20.155	ug/l	98
36) 1,1-Dichloropropene	7.917	75	51958	19.265	ug/l	98
37) Ethyl Acetate	7.081	43	56999	21.188	ug/l	98
38) Carbon Tetrachloride	7.904	117	59505	20.326	ug/l	94
39) Methylcyclohexane	9.185	83	58684	19.673	ug/l	91
40) Benzene	8.160	78	160349	19.496	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24824	17.138	ug/l	92
42) 1,2-Dichloroethane	8.234	62	57029	20.246	ug/l	94
43) Isopropyl Acetate	8.276	43	95816	20.851	ug/l	97
44) Trichloroethene	8.941	130	46389	20.194	ug/l	98
45) 1,2-Dichloropropane	9.215	63	45636	19.897	ug/l	99
46) Dibromomethane	9.307	93	29825	20.329	ug/l	94
47) Bromodichloromethane	9.496	83	65882	20.146	ug/l	97
48) Methyl methacrylate	9.294	41	40826	20.241	ug/l	88
49) 1,4-Dioxane	9.319	88	13771	475.118	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	310954	109.176	ug/l	93
52) Toluene	10.245	92	103835	19.583	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	69835	19.914	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	74047	19.616	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	44756	20.816	ug/l	97
56) Ethyl methacrylate	10.508	69	65803	20.768	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	73384	20.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	64107	63.696	ug/l	96
59) 2-Hexanone	10.831	43	240976	110.278	ug/l	92
60) Dibromochloromethane	10.983	129	51722	20.608	ug/l	99
61) 1,2-Dibromoethane	11.087	107	42864	20.379	ug/l	99
64) Tetrachloroethene	10.721	164	50191	20.930	ug/l	98
65) Chlorobenzene	11.514	112	119431	19.576	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	48035	20.269	ug/l	99
67) Ethyl Benzene	11.593	91	211091	19.795	ug/l	100
68) m/p-Xylenes	11.703	106	159005	39.230	ug/l	96
69) o-Xylene	12.026	106	78030	19.633	ug/l	98
70) Styrene	12.044	104	136839	20.114	ug/l	96
71) Bromoform	12.209	173	36495	21.251	ug/l #	99
73) Isopropylbenzene	12.330	105	214647	20.038	ug/l	99
74) N-amyl acetate	12.141	43	83426	20.721	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	62834	21.076	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	49199m	21.597	ug/l	
77) Bromobenzene	12.605	156	52231	19.864	ug/l	93
78) n-propylbenzene	12.672	91	262818	20.195	ug/l	100
79) 2-Chlorotoluene	12.757	91	146083	19.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	181346	20.222	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	20936	20.696	ug/l	95
82) 4-Chlorotoluene	12.855	91	152061	19.636	ug/l	99
83) tert-Butylbenzene	13.074	119	159999	20.371	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	179260	19.978	ug/l	99
85) sec-Butylbenzene	13.251	105	244753	20.822	ug/l	100
86) p-Isopropyltoluene	13.367	119	199602	20.329	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	104414	20.016	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	106936	20.497	ug/l	99
89) n-Butylbenzene	13.696	91	192359	20.689	ug/l	97
90) Hexachloroethane	13.958	117	38777	20.463	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	98214	20.395	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	13071	22.076	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	62626	20.658	ug/l	98
94) Hexachlorobutadiene	15.110	225	34654	22.322	ug/l	97
95) Naphthalene	15.232	128	174572	22.084	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	59330	21.204	ug/l	98

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

