

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015951.D
 Acq On : 13 Oct 2023 12:12
 Operator : SY/MD
 Sample : VY1013SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 13 16:07:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	217901	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	354298	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	325547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	124737	50.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.320%			
35) Dibromofluoromethane	7.716	113	110917	49.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.179	98	432547	51.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.477	95	156782	52.711	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31618	17.341	ug/l	97
3) Chloromethane	2.107	50	53441	15.775	ug/l	95
4) Vinyl Chloride	2.247	62	42347	18.156	ug/l	94
5) Bromomethane	2.650	94	26935	20.417	ug/l	95
6) Chloroethane	2.790	64	22801	15.127	ug/l	97
7) Trichlorofluoromethane	3.113	101	73627	18.611	ug/l	97
8) Diethyl Ether	3.521	74	24530	16.591	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.869	101	41242	18.334	ug/l	98
10) Methyl Iodide	4.070	142	49044	18.960	ug/l	99
11) Tert butyl alcohol	5.143	59	117227m	81.248	ug/l	
12) 1,1-Dichloroethene	3.851	96	39561	18.669	ug/l	92
13) Acrolein	3.735	56	60278	128.339	ug/l	98
14) Allyl chloride	4.460	41	67614	19.745	ug/l	88
15) Acrylonitrile	5.186	53	160935	123.558	ug/l	99
16) Acetone	3.997	43	172876	119.671	ug/l	93
17) Carbon Disulfide	4.168	76	120367	18.584	ug/l	97
18) Methyl Acetate	4.497	43	123640	24.675	ug/l #	88
19) Methyl tert-butyl Ether	5.234	73	134431	18.924	ug/l	96
20) Methylene Chloride	4.698	84	56449	17.792	ug/l	90
21) trans-1,2-Dichloroethene	5.198	96	47591	19.213	ug/l	90
22) Diisopropyl ether	6.131	45	136060	19.134	ug/l	96
23) Vinyl Acetate	6.064	43	406971	86.997	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	81840	19.344	ug/l	95
25) 2-Butanone	7.015	43	247383	117.663	ug/l	94
26) 2,2-Dichloropropane	6.972	77	60385	17.188	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	54251	19.479	ug/l	90
28) Bromochloromethane	7.332	49	38015	20.135	ug/l	95
29) Tetrahydrofuran	7.368	42	175809	121.987	ug/l	88
30) Chloroform	7.502	83	84335	19.205	ug/l	97
31) Cyclohexane	7.777	56	72763	18.380	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	74598	19.101	ug/l	97
36) 1,1-Dichloropropene	7.911	75	64542	19.177	ug/l	98
37) Ethyl Acetate	7.082	43	138160	26.606	ug/l #	91
38) Carbon Tetrachloride	7.893	117	67480	19.039	ug/l	99
39) Methylcyclohexane	9.179	83	80857	18.726	ug/l	92
40) Benzene	8.155	78	188210	19.328	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	33043	19.299	ug/l	88
42) 1,2-Dichloroethane	8.234	62	58395	18.689	ug/l	92
43) Isopropyl Acetate	8.283	43	101191	18.139	ug/l #	92
44) Trichloroethene	8.935	130	63151	21.044	ug/l	92
45) 1,2-Dichloropropane	9.215	63	48740	19.615	ug/l	93
46) Dibromomethane	9.307	93	34959	20.016	ug/l	96
47) Bromodichloromethane	9.496	83	68803	19.508	ug/l	99
48) Methyl methacrylate	9.295	41	48178	19.551	ug/l #	79
49) 1,4-Dioxane	9.374	88	11617	238.502	ug/l #	45
51) 4-Methyl-2-Pentanone	10.075	43	450562	109.590	ug/l	90
52) Toluene	10.240	92	121174	19.463	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	74384	18.810	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	79157	18.621	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	49064	19.731	ug/l	96
56) Ethyl methacrylate	10.508	69	75558	19.409	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	80408	19.061	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	207690	121.580	ug/l	94
59) 2-Hexanone	10.837	43	417993	119.103	ug/l	86
60) Dibromochloromethane	10.983	129	55062	19.472	ug/l	99
61) 1,2-Dibromoethane	11.087	107	54408	20.221	ug/l	98
64) Tetrachloroethene	10.715	164	62772	22.119	ug/l	98
65) Chlorobenzene	11.514	112	134528	19.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	49338	19.540	ug/l	97
67) Ethyl Benzene	11.593	91	233773	19.600	ug/l	98
68) m/p-Xylenes	11.703	106	182999	39.758	ug/l	95
69) o-Xylene	12.026	106	87795	19.951	ug/l	98
70) Styrene	12.044	104	150124	20.045	ug/l	96
71) Bromoform	12.209	173	42861	19.933	ug/l #	99
73) Isopropylbenzene	12.331	105	228459	18.902	ug/l	99
74) N-amyl acetate	12.142	43	92015	18.845	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	65544	17.656	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	67718m	20.268	ug/l	
77) Bromobenzene	12.611	156	58494	19.279	ug/l	91
78) n-propylbenzene	12.672	91	283068	19.260	ug/l	100
79) 2-Chlorotoluene	12.758	91	161285	19.402	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	195815	19.501	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	27707	19.535	ug/l	92
82) 4-Chlorotoluene	12.855	91	166953	19.541	ug/l	98
83) tert-Butylbenzene	13.075	119	166728	18.896	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	197096	19.554	ug/l	99
85) sec-Butylbenzene	13.251	105	254183	19.411	ug/l	99
86) p-Isopropyltoluene	13.367	119	213889	19.546	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	113603	19.497	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	114917	19.531	ug/l	98
89) n-Butylbenzene	13.696	91	200804	19.515	ug/l	97
90) Hexachloroethane	13.959	117	39410	18.791	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	107782	19.715	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23903	22.508	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	71342	19.854	ug/l	98
94) Hexachlorobutadiene	15.111	225	35653	19.542	ug/l	99
95) Naphthalene	15.233	128	240327	20.616	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	67896	19.709	ug/l	98

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

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