

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040424\
 Data File : VY017842.D
 Acq On : 04 Apr 2024 10:03
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 05 00:42:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/05/2024
 Supervised By :Semsettin Yesilyurt 04/05/2024

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	159847	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	253004	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	220961	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	98281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	73237	52.947	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.900%			
35) Dibromofluoromethane	7.734	113	77591	53.073	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.140%			
50) Toluene-d8	10.197	98	293167	53.683	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.495	95	84258	50.711	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	24558	22.973	ug/l	99
3) Chloromethane	2.125	50	38797	18.595	ug/l	95
4) Vinyl Chloride	2.266	62	59553	21.841	ug/l	98
5) Bromomethane	2.662	94	57166	25.929	ug/l	94
6) Chloroethane	2.808	64	45846	25.770	ug/l	99
7) Trichlorofluoromethane	3.137	101	54476	20.487	ug/l	97
8) Diethyl Ether	3.540	74	15277	19.559	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	32107	20.134	ug/l	97
10) Methyl Iodide	4.113	142	31138	17.956	ug/l	99
11) Tert butyl alcohol	4.972	59	10827	88.434	ug/l #	84
12) 1,1-Dichloroethene	3.893	96	27964	18.740	ug/l	96
13) Acrolein	3.747	56	9387	96.865	ug/l	98
14) Allyl chloride	4.497	41	32217	17.598	ug/l	87
15) Acrylonitrile	5.180	53	29538	89.588	ug/l	97
16) Acetone	3.966	43	24396	85.324	ug/l	88
17) Carbon Disulfide	4.216	76	62340	14.762	ug/l	96
18) Methyl Acetate	4.497	43	11606	18.326	ug/l	93
19) Methyl tert-butyl Ether	5.241	73	70497	20.633	ug/l	95
20) Methylene Chloride	4.735	84	34191	17.805	ug/l	92
21) trans-1,2-Dichloroethene	5.241	96	31020	19.426	ug/l	95
22) Diisopropyl ether	6.143	45	82141	19.412	ug/l	94
23) Vinyl Acetate	6.082	43	239609	92.747	ug/l	99
24) 1,1-Dichloroethane	6.045	63	56282	20.040	ug/l	100
25) 2-Butanone	7.002	43	35082	86.130	ug/l	97
26) 2,2-Dichloropropane	7.002	77	51307	21.152	ug/l	97
27) cis-1,2-Dichloroethene	7.009	96	37456	19.848	ug/l	96
28) Bromochloromethane	7.350	49	22304	19.529	ug/l	93
29) Tetrahydrofuran	7.368	42	20954	85.736	ug/l	97
30) Chloroform	7.527	83	62441	21.429	ug/l	98
31) Cyclohexane	7.801	56	41943	17.213	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	52296	21.086	ug/l	97
36) 1,1-Dichloropropene	7.935	75	41698	19.548	ug/l	96
37) Ethyl Acetate	7.088	43	16540	17.968	ug/l	98
38) Carbon Tetrachloride	7.917	117	45825	20.694	ug/l	98
39) Methylcyclohexane	9.197	83	46692	17.524	ug/l	97
40) Benzene	8.179	78	129034	19.628	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7725m	16.683	ug/l	
42) 1,2-Dichloroethane	8.252	62	33700	20.828	ug/l	98
43) Isopropyl Acetate	8.289	43	30614	18.325	ug/l	100
44) Trichloroethene	8.953	130	33648	19.673	ug/l	90
45) 1,2-Dichloropropane	9.234	63	30047	19.670	ug/l	97
46) Dibromomethane	9.319	93	17173	19.788	ug/l	98
47) Bromodichloromethane	9.514	83	45431	20.718	ug/l	93
48) Methyl methacrylate	9.313	41	12585	19.657	ug/l #	84
49) 1,4-Dioxane	9.313	88	3533	362.632	ug/l #	91
51) 4-Methyl-2-Pentanone	10.087	43	83167	108.663	ug/l	97
52) Toluene	10.264	92	81569	20.456	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	38493	19.770	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	47600	20.031	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	23775	20.559	ug/l	97
56) Ethyl methacrylate	10.526	69	26971	21.149	ug/l #	89
57) 1,3-Dichloropropane	10.807	76	39244	20.065	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.801	63	68301	102.905	ug/l	100
59) 2-Hexanone	10.849	43	53833	101.650	ug/l	98
60) Dibromochloromethane	10.996	129	30164	20.681	ug/l	99
61) 1,2-Dibromoethane	11.105	107	21326	20.224	ug/l	98
64) Tetrachloroethene	10.740	164	37682	19.552	ug/l	98
65) Chlorobenzene	11.532	112	88632	19.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	31021	20.156	ug/l	98
67) Ethyl Benzene	11.605	91	151891	19.493	ug/l	98
68) m/p-Xylenes	11.715	106	116258	39.342	ug/l	98
69) o-Xylene	12.044	106	52849	23.065	ug/l	96
70) Styrene	12.056	104	91488	23.403	ug/l	99
71) Bromoform	12.221	173	16629	19.492	ug/l #	97
73) Isopropylbenzene	12.343	105	145502	21.125	ug/l	99
74) N-amyl acetate	12.160	43	24348	20.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	23730	19.917	ug/l	97
76) 1,2,3-Trichloropropane	12.648	75	19503m	21.777	ug/l	
77) Bromobenzene	12.623	156	32822	20.009	ug/l	99
78) n-propylbenzene	12.684	91	178206	21.204	ug/l	99
79) 2-Chlorotoluene	12.770	91	95819	20.815	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	111347	20.715	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	7473	21.334	ug/l	92
82) 4-Chlorotoluene	12.867	91	97182	20.388	ug/l	97
83) tert-Butylbenzene	13.087	119	103286	21.135	ug/l	100
84) 1,2,4-Trimethylbenzene	13.136	105	110457	20.633	ug/l	99
85) sec-Butylbenzene	13.270	105	155452	21.194	ug/l	99
86) p-Isopropyltoluene	13.385	119	124253	20.266	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	65313	20.066	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	63998	20.542	ug/l	99
89) n-Butylbenzene	13.709	91	115666	20.505	ug/l	97
90) Hexachloroethane	13.977	117	25679	21.063	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	54933	20.360	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2927	18.180	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	27801	18.812	ug/l	97
94) Hexachlorobutadiene	15.129	225	16952	18.923	ug/l	97
95) Naphthalene	15.251	128	43246	20.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	23070	18.481	ug/l	99

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

