

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017491.D
 Acq On : 27 Feb 2024 13:04
 Operator : SY/MD
 Sample : VY0227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBS01

Quant Time: Feb 28 00:14:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
 Supervised By :Mahesh Dadoda 02/28/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	158325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	69904	46.587	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.180%		
35) Dibromofluoromethane	7.710	113	80641	46.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.020%		
50) Toluene-d8	10.179	98	302388	49.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.760%		
62) 4-Bromofluorobenzene	12.483	95	92139	48.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21916	18.765	ug/l	99
3) Chloromethane	2.113	50	38243	17.922	ug/l	99
4) Vinyl Chloride	2.247	62	48949	17.880	ug/l	100
5) Bromomethane	2.644	94	41060	18.405	ug/l	96
6) Chloroethane	2.784	64	31414	18.190	ug/l	99
7) Trichlorofluoromethane	3.113	101	51848	18.583	ug/l	99
8) Diethyl Ether	3.522	74	15090	18.440	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	30258	18.854	ug/l	98
10) Methyl Iodide	4.088	142	31263	17.358	ug/l	98
11) Tert butyl alcohol	4.942	59	10807	84.789	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	28132	18.809	ug/l	93
13) Acrolein	3.723	56	18692	111.145	ug/l	98
14) Allyl chloride	4.473	41	32015	17.716	ug/l	98
15) Acrylonitrile	5.161	53	30601	90.966	ug/l	99
16) Acetone	3.942	43	28735	98.734	ug/l	98
17) Carbon Disulfide	4.186	76	77419	17.245	ug/l	97
18) Methyl Acetate	4.473	43	12092	17.126	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	62139	17.825	ug/l	97
20) Methylene Chloride	4.710	84	39325	19.676	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	32052	18.303	ug/l	97
22) Diisopropyl ether	6.112	45	78326	18.782	ug/l	97
23) Vinyl Acetate	6.058	43	226982	91.341	ug/l	99
24) 1,1-Dichloroethane	6.009	63	51843	18.197	ug/l	99
25) 2-Butanone	6.984	43	39309	94.775	ug/l	99
26) 2,2-Dichloropropane	6.972	77	44162	18.437	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	36003	18.311	ug/l	97
28) Bromochloromethane	7.332	49	22765	20.289	ug/l	93
29) Tetrahydrofuran	7.344	42	22624	90.488	ug/l	99
30) Chloroform	7.503	83	56557	18.646	ug/l	95
31) Cyclohexane	7.783	56	43259	17.715	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	48214	18.308	ug/l	98
36) 1,1-Dichloropropene	7.911	75	42192	18.037	ug/l	99
37) Ethyl Acetate	7.070	43	16464	17.820	ug/l	98
38) Carbon Tetrachloride	7.893	117	43082	18.376	ug/l	98
39) Methylcyclohexane	9.185	83	48968	17.418	ug/l	98
40) Benzene	8.155	78	126730	18.243	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10177m	21.950	ug/l	
42) 1,2-Dichloroethane	8.234	62	31528	18.601	ug/l	99
43) Isopropyl Acetate	8.271	43	28678	17.664	ug/l	98
44) Trichloroethene	8.935	130	36215	18.086	ug/l	96
45) 1,2-Dichloropropane	9.216	63	29772	18.013	ug/l	96
46) Dibromomethane	9.301	93	17490	18.490	ug/l	97
47) Bromodichloromethane	9.496	83	42311	18.422	ug/l	95
48) Methyl methacrylate	9.289	41	13215	17.585	ug/l	93
49) 1,4-Dioxane	9.301	88	3756	350.870	ug/l #	100
51) 4-Methyl-2-Pentanone	10.069	43	79982	88.391	ug/l	98
52) Toluene	10.240	92	79774	18.216	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	38407	18.017	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	47609	18.380	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	24852	18.505	ug/l	96
56) Ethyl methacrylate	10.508	69	26669	17.860	ug/l	98
57) 1,3-Dichloropropane	10.789	76	40142	18.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	72247	93.225	ug/l	99
59) 2-Hexanone	10.831	43	59365	95.514	ug/l	99
60) Dibromochloromethane	10.984	129	29633	18.652	ug/l	99
61) 1,2-Dibromoethane	11.087	107	22830	18.447	ug/l	99
64) Tetrachloroethene	10.721	164	36584	17.537	ug/l	97
65) Chlorobenzene	11.514	112	84593	18.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	30800	17.821	ug/l	99
67) Ethyl Benzene	11.593	91	144907	17.911	ug/l	96
68) m/p-Xylenes	11.703	106	116454	36.631	ug/l	98
69) o-Xylene	12.026	106	53377	18.098	ug/l	97
70) Styrene	12.044	104	89434	18.268	ug/l	98
71) Bromoform	12.209	173	17661	18.441	ug/l #	98
73) Isopropylbenzene	12.331	105	138982	18.059	ug/l	99
74) N-amyl acetate	12.142	43	24601	18.124	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	26040	19.704	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	18457m	18.752	ug/l	
77) Bromobenzene	12.611	156	33644	18.052	ug/l	99
78) n-propylbenzene	12.672	91	171202	18.540	ug/l	99
79) 2-Chlorotoluene	12.758	91	94340	18.247	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	112959	18.320	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	7930	18.513	ug/l	99
82) 4-Chlorotoluene	12.855	91	97275	18.395	ug/l	98
83) tert-Butylbenzene	13.075	119	98732	18.236	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	113004	18.565	ug/l	98
85) sec-Butylbenzene	13.251	105	151544	18.307	ug/l	100
86) p-Isopropyltoluene	13.367	119	124631	18.392	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	68022	18.183	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	67964	18.687	ug/l	99
89) n-Butylbenzene	13.697	91	113298	18.326	ug/l	99
90) Hexachloroethane	13.959	117	25340	18.653	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	58160	18.380	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3329	17.918	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	31292	18.722	ug/l	99
94) Hexachlorobutadiene	15.111	225	20129	19.506	ug/l	98
95) Naphthalene	15.239	128	50456	18.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	26748	18.655	ug/l	99

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

