

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017281.D
 Acq On : 07 Feb 2024 11:52
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Quant Time: Feb 08 01:40:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	105995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	185951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	155279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	66910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	47889	50.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.140%
35) Dibromofluoromethane	7.728	113	50056	49.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.191	98	189964	51.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.495	95	58862	49.154	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	17456	21.724	ug/l	97
3) Chloromethane	2.113	50	42205	29.238	ug/l	97
4) Vinyl Chloride	2.253	62	49512	28.147	ug/l	100
5) Bromomethane	2.656	94	35531	29.139	ug/l	96
6) Chloroethane	2.796	64	31895	28.082	ug/l	100
7) Trichlorofluoromethane	3.125	101	45979	25.419	ug/l	100
8) Diethyl Ether	3.540	74	11938	20.982	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	25213	22.994	ug/l	98
10) Methyl Iodide	4.101	142	20308	17.617	ug/l	99
11) Tert butyl alcohol	5.009	59	6181m	65.376	ug/l	
12) 1,1-Dichloroethene	3.875	96	22815	22.206	ug/l	95
13) Acrolein	3.747	56	7118	82.894	ug/l	94
14) Allyl chloride	4.485	41	34305	22.086	ug/l	96
15) Acrylonitrile	5.180	53	22663	88.467	ug/l	100
16) Acetone	3.973	43	25805	92.722	ug/l	98
17) Carbon Disulfide	4.204	76	63739	19.434	ug/l	100
18) Methyl Acetate	4.503	43	9150	14.738	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	48767	19.708	ug/l	94
20) Methylene Chloride	4.729	84	29532	24.094	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	25401	21.732	ug/l	96
22) Diisopropyl ether	6.131	45	76152	22.326	ug/l	99
23) Vinyl Acetate	6.076	43	208225	100.749	ug/l	99
24) 1,1-Dichloroethane	6.027	63	46967	22.477	ug/l	97
25) 2-Butanone	7.015	43	31677	85.620	ug/l	99
26) 2,2-Dichloropropane	6.990	77	40038	23.036	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	28225	21.591	ug/l	96
28) Bromochloromethane	7.344	49	15796	19.743	ug/l	94
29) Tetrahydrofuran	7.368	42	17339	82.963	ug/l	97
30) Chloroform	7.515	83	47382	22.541	ug/l	99
31) Cyclohexane	7.801	56	41753	21.877	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	41440	22.920	ug/l	97
36) 1,1-Dichloropropene	7.929	75	37043	21.389	ug/l	99
37) Ethyl Acetate	7.088	43	14070	17.516	ug/l	99
38) Carbon Tetrachloride	7.911	117	36291	21.886	ug/l	98
39) Methylcyclohexane	9.197	83	42506	21.009	ug/l	98
40) Benzene	8.173	78	105564	21.345	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7666	20.143	ug/l	94
42) 1,2-Dichloroethane	8.246	62	26830	20.489	ug/l	99
43) Isopropyl Acetate	8.289	43	25524	17.950	ug/l	99
44) Trichloroethene	8.953	130	26818	21.362	ug/l	100
45) 1,2-Dichloropropane	9.228	63	26106	21.490	ug/l	99
46) Dibromomethane	9.319	93	12861	19.599	ug/l	97
47) Bromodichloromethane	9.508	83	34269	20.867	ug/l	99
48) Methyl methacrylate	9.307	41	11663	17.487	ug/l	97
49) 1,4-Dioxane	9.338	88	2288	320.338	ug/l #	55
51) 4-Methyl-2-Pentanone	10.081	43	67968	89.171	ug/l	97
52) Toluene	10.252	92	64075	21.464	ug/l	98
53) t-1,3-Dichloropropene	10.478	75	30405	19.711	ug/l	96
54) cis-1,3-Dichloropropene	9.941	75	37808	20.463	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	17671	19.793	ug/l	96
56) Ethyl methacrylate	10.520	69	19396	18.181	ug/l	97
57) 1,3-Dichloropropane	10.801	76	30008	19.541	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	47246	84.943	ug/l	98
59) 2-Hexanone	10.843	43	49934	90.597	ug/l	98
60) Dibromochloromethane	10.996	129	20210	19.296	ug/l	100
61) 1,2-Dibromoethane	11.099	107	15422	18.573	ug/l	99
64) Tetrachloroethene	10.734	164	21839	21.656	ug/l	97
65) Chlorobenzene	11.526	112	65065	21.721	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	22879	21.017	ug/l	98
67) Ethyl Benzene	11.605	91	119949	22.157	ug/l	99
68) m/p-Xylenes	11.715	106	89808	43.714	ug/l	97
69) o-Xylene	12.044	106	41643	22.011	ug/l	100
70) Styrene	12.057	104	68452	21.959	ug/l	98
71) Bromoform	12.221	173	10648	18.678	ug/l #	98
73) Isopropylbenzene	12.343	105	113231	23.036	ug/l	99
74) N-amyl acetate	12.154	43	21720	19.666	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	18559	19.197	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	13226m	21.416	ug/l	
77) Bromobenzene	12.623	156	22448	20.589	ug/l	98
78) n-propylbenzene	12.684	91	141925	23.509	ug/l	99
79) 2-Chlorotoluene	12.770	91	75793	22.836	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	89933	23.005	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	5563	18.717	ug/l	97
82) 4-Chlorotoluene	12.867	91	78510	22.984	ug/l	98
83) tert-Butylbenzene	13.087	119	79592	23.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	87589	22.699	ug/l	100
85) sec-Butylbenzene	13.264	105	124537	23.778	ug/l	99
86) p-Isopropyltoluene	13.379	119	96701	23.105	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	46881	21.554	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	46035	21.785	ug/l	97
89) n-Butylbenzene	13.709	91	94662	23.789	ug/l	98
90) Hexachloroethane	13.971	117	19733	22.967	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	39859	21.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2312	18.359	ug/l	91
93) 1,2,4-Trichlorobenzene	15.019	180	19367	21.057	ug/l	99
94) Hexachlorobutadiene	15.123	225	12240	22.596	ug/l	99
95) Naphthalene	15.245	128	31974	20.004	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	16087	20.566	ug/l	96

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

