

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
 Data File : VY002092.D
 Acq On : 26 Mar 2020 18:18
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY032620

Manual Integrations
 APPROVED

apatel
 3/27/2020 4:15:25 PM

Quant Time: Mar 27 07:17:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	166451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	308129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88866	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.74	113	83025	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	10.19	98	337163	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.49	95	120545	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	52906	49.385	ug/l	99
3) Chloromethane	2.12	50	87103	44.778	ug/l	99
4) Vinyl Chloride	2.26	62	94034	47.532	ug/l	100
5) Bromomethane	2.66	94	64834	50.217	ug/l	99
6) Chloroethane	2.81	64	63148	49.711	ug/l	96
7) Trichlorofluoromethane	3.15	101	133654	49.300	ug/l	100
8) Diethyl Ether	3.55	74	59737	52.024	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	89549	50.346	ug/l	97
10) Methyl Iodide	4.11	142	111041	52.501	ug/l	99
11) Tert butyl alcohol	4.98	59	52637	242.744	ug/l	100
12) 1,1-Dichloroethene	3.90	96	91280	50.539	ug/l	98
13) Acrolein	3.75	56	74191	273.749	ug/l	98
14) Allyl chloride	4.50	41	168331	50.910	ug/l	99
15) Acrylonitrile	5.19	53	161053	267.597	ug/l	100
16) Acetone	3.97	43	120397	232.892	ug/l	98
17) Carbon Disulfide	4.22	76	302432	50.456	ug/l	99
18) Methyl Acetate	4.50	43	68768	51.227	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	268065	53.203	ug/l	100
20) Methylene Chloride	4.74	84	109290	51.183	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	105768	51.432	ug/l	99
22) Diisopropyl ether	6.15	45	351601	51.962	ug/l	92
23) Vinyl Acetate	6.09	43	1172145	264.171	ug/l	98
24) 1,1-Dichloroethane	6.05	63	184872	51.386	ug/l	98
25) 2-Butanone	7.01	43	202665	255.309	ug/l	99
26) 2,2-Dichloropropane	7.01	77	148287	50.045	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	116876	51.661	ug/l	100
28) Bromochloromethane	7.36	49	83629	50.916	ug/l	99
29) Tetrahydrofuran	7.37	42	139094	267.259	ug/l	99
30) Chloroform	7.53	83	178028	52.206	ug/l	98
31) Cyclohexane	7.80	56	186396	48.622	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	147708	51.878	ug/l	98
36) 1,1-Dichloropropene	7.94	75	145923	50.068	ug/l	100
37) Ethyl Acetate	7.10	43	91414	51.903	ug/l	99
38) Carbon Tetrachloride	7.92	117	127026	51.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.20	83	194296	50.824	ug/l	99
40) Benzene	8.18	78	439171	50.871	ug/l	99
41) Methacrylonitrile	7.33	41	41642m	46.743	ug/l	
42) 1,2-Dichloroethane	8.25	62	118325	51.625	ug/l	100
43) Isopropyl Acetate	8.29	43	171421	52.440	ug/l	99
44) Trichloroethene	8.96	130	106875	51.357	ug/l	99
45) 1,2-Dichloropropane	9.23	63	112638	51.242	ug/l	100
46) Dibromomethane	9.32	93	58692	51.991	ug/l	100
47) Bromodichloromethane	9.51	83	137633	52.372	ug/l	100
48) Methyl methacrylate	9.31	41	76981	52.551	ug/l	100
49) 1,4-Dioxane	9.31	88	16994	1097.022	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	444988	264.367	ug/l	98
52) Toluene	10.25	92	266944	51.124	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	154608	53.005	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	180532	52.568	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	86796	51.949	ug/l	95
56) Ethyl methacrylate	10.52	69	132824	54.429	ug/l	98
57) 1,3-Dichloropropane	10.80	76	155361	52.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	319959	255.163	ug/l	100
59) 2-Hexanone	10.84	43	311975	263.116	ug/l	99
60) Dibromochloromethane	10.99	129	93784	53.642	ug/l	100
61) 1,2-Dibromoethane	11.10	107	82821	52.960	ug/l	98
64) Tetrachloroethene	10.73	164	85210	49.899	ug/l	95
65) Chlorobenzene	11.52	112	278636	51.717	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	93566	51.910	ug/l	100
67) Ethyl Benzene	11.60	91	514979	51.465	ug/l	99
68) m/p-Xylenes	11.71	106	383670	103.701	ug/l	99
69) o-Xylene	12.03	106	182968	52.133	ug/l	98
70) Styrene	12.05	104	318299	52.339	ug/l	99
71) Bromoform	12.22	173	53026	53.712	ug/l #	98
73) Isopropylbenzene	12.34	105	487076	50.514	ug/l	100
74) N-amyl acetate	12.15	43	158806	52.220	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	109378	52.715	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	78384m	53.910	ug/l	
77) Bromobenzene	12.61	156	105839	51.419	ug/l	99
78) n-propylbenzene	12.68	91	605882	50.634	ug/l	100
79) 2-Chlorotoluene	12.76	91	336028	51.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	406974	51.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41189	54.882	ug/l	97
82) 4-Chlorotoluene	12.86	91	351278	50.739	ug/l	99
83) tert-Butylbenzene	13.08	119	344322	51.853	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	406299	51.189	ug/l	99
85) sec-Butylbenzene	13.26	105	500497	50.887	ug/l	100
86) p-Isopropyltoluene	13.38	119	434310	51.421	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	204910	50.887	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	206660	51.001	ug/l	100
89) n-Butylbenzene	13.70	91	446303	50.715	ug/l	100
90) Hexachloroethane	13.97	117	82070	51.567	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	189054	50.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18089	54.425	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	122760	51.218	ug/l	99
94) Hexachlorobutadiene	15.12	225	58197	49.190	ug/l	99
95) Naphthalene	15.24	128	303006	53.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	110421	50.803	ug/l	99

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

